

## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
ELV

Sampled: 07/28/09  
Received: 07/28/09  
Issued: 08/13/09 10:37

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.  
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: This is an amended report to provide STLC and TCLP data on required samples.

| LABORATORY ID | CLIENT ID     | MATRIX |
|---------------|---------------|--------|
| ISG2199-01    | ISWC0062 S001 | Soil   |
| ISG2199-02    | ISWC0064 S001 | Soil   |
| ISG2199-03    | ISWC0066 S001 | Soil   |
| ISG2199-04    | ISWC0068 S001 | Soil   |
| ISG2199-05    | ISWC0050 S001 | Soil   |
| ISG2199-06    | ISWC0052 S001 | Soil   |
| ISG2199-07    | ISWC0054 S001 | Soil   |
| ISG2199-08    | ISWC0056 S001 | Soil   |
| ISG2199-09    | ISWC0058 S001 | Soil   |
| ISG2199-10    | ISWC0060 S001 | Soil   |
| ISG2199-11    | ISWC0070 S001 | Soil   |
| ISG2199-12    | ISWC0072 S001 | Soil   |
| ISG2199-13    | ISWC0074 S001 | Soil   |
| ISG2199-14    | ISWC0076 S001 | Soil   |
| ISG2199-15    | ISWC0061 S001 | Soil   |
| ISG2199-16    | ISWC0063 S001 | Soil   |
| ISG2199-17    | ISWC0065 S001 | Soil   |
| ISG2199-18    | ISWC0067 S001 | Soil   |
| ISG2199-19    | ISWC0049 S001 | Soil   |
| ISG2199-20    | ISWC0051 S001 | Soil   |
| ISG2199-21    | ISWC0053 S001 | Soil   |
| ISG2199-22    | ISWC0055 S001 | Soil   |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ELV  
Report Number: ISG2199

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**LABORATORY ID**

ISG2199-23  
ISG2199-24  
ISG2199-25  
ISG2199-26  
ISG2199-27  
ISG2199-28

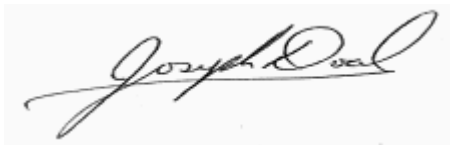
**CLIENT ID**

ISWC0057 S001  
ISWC0059 S001  
ISWC0069 S001  
ISWC0071 S001  
ISWC0073 S001  
ISWC0075 S001

**MATRIX**

Soil  
Soil  
Soil  
Soil  
Soil  
Soil

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

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Sampled: 07/28/09  
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## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01 (ISWC0062 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G29035 | 10        | 12              | ND            | 1.24            | 07/29/09       | 07/29/09      | C               |
| Benzene   | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Bromobenzene  | EPA 8260B | 9G29035 | 1.0       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G29035 | 1.1       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Bromoform   | EPA 8260B | 9G29035 | 1.0       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Bromomethane  | EPA 8260B | 9G29035 | 1.1       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G29035 | 0.90      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G29035 | 0.83      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G29035 | 0.77      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G29035 | 1.2       | 6.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G29035 | 0.62      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G29035 | 0.65      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Chloroethane  | EPA 8260B | 9G29035 | 1.9       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Chloroform  | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G29035 | 1.2       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G29035 | 1.1       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G29035 | 0.92      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G29035 | 1.9       | 12              | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G29035 | 0.87      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G29035 | 1.0       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G29035 | 1.1       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 1.2       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 1.0       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 1.2       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G29035 | 1.9       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G29035 | 1.0       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G29035 | 0.75      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G29035 | 1.0       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G29035 | 0.87      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G29035 | 1.0       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G29035 | 0.78      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G29035 | 0.75      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G29035 | 0.55      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      | L               |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G29035 | 0.76      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G29035 | 0.50      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G29035 | 1.0       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G29035 | 11        | 12              | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Isopropylbenzene                                    | EPA 8260B | 9G29035 | 0.67      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |

### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01 (ISWC0062 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G29035 | 0.90      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G29035 | 5.6       | 6.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Methylene chloride  | EPA 8260B | 9G29035 | 8.1       | 12              | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G29035 | 0.76      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Styrene   | EPA 8260B | 9G29035 | 0.72      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G29035 | 0.71      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G29035 | 1.1       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G29035 | 0.61      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Toluene   | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G29035 | 0.87      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G29035 | 1.1       | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Trichloroethene   | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G29035 | 0.67      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G29035 | 1.2       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G29035 | 0.97      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G29035 | 0.78      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G29035 | 3.1       | 6.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G29035 | 1.1       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G29035 | 1.0       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| o-Xylene  | EPA 8260B | 9G29035 | 0.62      | 1.2             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G29035 | 1.6       | 5.0             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G29035 | 0.62      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G29035 | 0.72      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G29035 | 1.2       | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G29035 | 0.80      | 2.5             | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G29035 | 12        | 62              | ND            | 1.24            | 07/29/09       | 07/29/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 93 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 99 %          |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 102 %         |                 |                |               |                 |

**TestAmerica Irvine**

Joseph Doak  
Project Manager

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 Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
 ELV  
 Report Number: ISG2199

Sampled: 07/28/09  
 Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01RE1 (ISWC0062 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| 2-Butanone (MEK)   | EPA 8260B | 9G31004 | 6.5       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Naphthalene  | EPA 8260B | 9G31004 | 1.2       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichlorobenzene   | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene   | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| <i>Surrogate: 4-Bromofluorobenzene (80-120%)</i>               |           |         |           |                 | 84 %          |                 |                |               |                 |
| <i>Surrogate: Dibromofluoromethane (80-125%)</i>               |           |         |           |                 | 113 %         |                 |                |               |                 |
| <i>Surrogate: Toluene-d8 (80-120%)</i>                         |           |         |           |                 | 98 %          |                 |                |               |                 |

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| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02 (ISWC0064 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G29035 | 8.8       | 11              | ND            | 1.1             | 07/29/09       | 07/29/09      | C               |
| Benzene   | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Bromobenzene  | EPA 8260B | 9G29035 | 0.93      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G29035 | 0.99      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Bromoform   | EPA 8260B | 9G29035 | 0.88      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Bromomethane  | EPA 8260B | 9G29035 | 1.0       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G29035 | 0.79      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G29035 | 0.74      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G29035 | 0.68      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G29035 | 1.1       | 5.5             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G29035 | 0.55      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G29035 | 0.57      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Chloroethane  | EPA 8260B | 9G29035 | 1.7       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Chloroform  | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G29035 | 1.1       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G29035 | 0.96      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G29035 | 0.82      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G29035 | 1.7       | 11              | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G29035 | 0.77      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G29035 | 0.88      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G29035 | 0.99      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 1.0       | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 0.93      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G29035 | 1.0       | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G29035 | 1.7       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G29035 | 0.88      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G29035 | 0.66      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G29035 | 0.92      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G29035 | 0.77      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G29035 | 0.88      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G29035 | 0.70      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G29035 | 0.66      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G29035 | 0.49      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      | L               |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G29035 | 0.67      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G29035 | 0.44      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G29035 | 0.88      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G29035 | 10        | 11              | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Isopropylbenzene                                    | EPA 8260B | 9G29035 | 0.60      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02 (ISWC0064 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G29035 | 0.79      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G29035 | 5.0       | 5.5             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Methylene chloride  | EPA 8260B | 9G29035 | 7.2       | 11              | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Naphthalene   | EPA 8260B | 9G29035 | 1.2       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G29035 | 0.67      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Styrene   | EPA 8260B | 9G29035 | 0.64      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G29035 | 0.63      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G29035 | 0.95      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G29035 | 0.54      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Toluene   | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G29035 | 1.1       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G29035 | 1.1       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G29035 | 0.77      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G29035 | 0.96      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Trichloroethene   | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G29035 | 0.60      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G29035 | 1.1       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G29035 | 0.86      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G29035 | 0.70      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G29035 | 2.8       | 5.5             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G29035 | 1.0       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G29035 | 0.88      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| o-Xylene  | EPA 8260B | 9G29035 | 0.55      | 1.1             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G29035 | 1.4       | 4.4             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G29035 | 0.55      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G29035 | 0.64      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G29035 | 1.1       | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G29035 | 0.71      | 2.2             | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G29035 | 11        | 55              | ND            | 1.1             | 07/29/09       | 07/29/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 92 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 105 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 102 %         |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02RE1 (ISWC0064 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| 2-Butanone (MEK)   | EPA 8260B | 9G30016 | 7.0       | 12              | ND            | 1.17            | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                      |           |         |           |                 | 66 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                      |           |         |           |                 | 113 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                                |           |         |           |                 | 99 %          |                 |                |               |                 |

TestAmerica Irvine

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Project Manager

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ISG2199 <Page 8 of 190>



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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G31004 | 9.2       | 12              | 16            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Benzene   | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Bromobenzene  | EPA 8260B | 9G31004 | 0.97      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G31004 | 1.0       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Bromodichloromethane                                | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Bromoform   | EPA 8260B | 9G31004 | 0.92      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Bromomethane  | EPA 8260B | 9G31004 | 1.1       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G31004 | 6.9       | 12              | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| n-Butylbenzene                                      | EPA 8260B | 9G31004 | 0.83      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G31004 | 0.77      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G31004 | 0.72      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G31004 | 1.1       | 5.8             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Carbon tetrachloride                                | EPA 8260B | 9G31004 | 0.58      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Chlorobenzene                                       | EPA 8260B | 9G31004 | 0.60      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Chloroethane  | EPA 8260B | 9G31004 | 1.7       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Chloroform  | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Chloromethane                                       | EPA 8260B | 9G31004 | 1.2       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 2-Chlorotoluene                                     | EPA 8260B | 9G31004 | 1.0       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.85      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G31004 | 1.7       | 12              | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G31004 | 0.81      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G31004 | 0.92      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Dibromomethane                                      | EPA 8260B | 9G31004 | 1.0       | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.1       | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.97      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.1       | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G31004 | 1.7       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.92      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G31004 | 0.69      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G31004 | 0.96      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G31004 | 0.81      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.92      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.73      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.69      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G31004 | 0.51      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G31004 | 0.70      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G31004 | 0.46      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Ethylbenzene  | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Hexachlorobutadiene                                 | EPA 8260B | 9G31004 | 0.92      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G31004 | 11        | 12              | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G31004 | 0.83      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G31004 | 5.2       | 5.8             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Methylene chloride  | EPA 8260B | 9G31004 | 7.5       | 12              | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Naphthalene   | EPA 8260B | 9G31004 | 1.3       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G31004 | 0.70      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G31004 | 0.67      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.66      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.99      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G31004 | 0.57      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Toluene   | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.2       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.2       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.81      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G31004 | 1.0       | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| <b>Trichloroethene</b>                                      | EPA 8260B | 9G31004 | 0.58      | 1.2             | <b>57</b>     | 1.15            | 07/31/09       | 07/31/09      | I               |
| Trichlorofluoromethane                                      | EPA 8260B | 9G31004 | 0.62      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G31004 | 1.2       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.90      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.73      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G31004 | 2.9       | 5.8             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Vinyl chloride  | EPA 8260B | 9G31004 | 1.1       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| m,p-Xylenes   | EPA 8260B | 9G31004 | 0.92      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| o-Xylene  | EPA 8260B | 9G31004 | 0.58      | 1.2             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Xylenes, Total  | EPA 8260B | 9G31004 | 1.5       | 4.6             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G31004 | 0.58      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G31004 | 0.67      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G31004 | 1.2       | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G31004 | 0.74      | 2.3             | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| tert-Butanol (TBA)  | EPA 8260B | 9G31004 | 12        | 58              | ND            | 1.15            | 07/31/09       | 07/31/09      | I               |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 |               | 80 %            |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 |               | 107 %           |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 |               | 101 %           |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-04 (ISWC0068 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 9.4       | 12              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 0.99      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.94      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 7.1       | 12              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.85      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.79      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.73      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.1       | 5.9             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.59      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.61      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.8       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.0       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.87      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.8       | 12              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.82      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.94      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.99      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.8       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.94      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.71      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 0.98      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.82      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.94      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.74      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.71      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.52      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.72      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.47      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.94      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G30016 | 11        | 12              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-04 (ISWC0068 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.64      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.85      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.3       | 5.9             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 7.6       | 12              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.3       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.72      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Styrene   | EPA 8260B | 9G30016 | 0.68      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.67      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.0       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.82      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.64      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.92      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.74      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G30016 | 2.9       | 5.9             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.94      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.5       | 4.7             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.59      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.68      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.75      | 2.4             | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 12        | 59              | ND            | 1.18            | 07/30/09       | 07/30/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 87 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 102 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 95 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 12 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 10        | 13              | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| <b>Benzene</b>                                      | EPA 8260B | 9G30016 | 0.63      | 1.3             | <b>0.84</b>   | 1.27            | 07/30/09       | 07/30/09      | J               |
| Bromobenzene  | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.2       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 7.6       | 13              | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.91      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.85      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.79      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.2       | 6.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.63      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.66      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.9       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.94      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.9       | 13              | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.2       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.2       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.9       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.76      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.80      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.76      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.56      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.77      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.51      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G30016 | 12        | 13              | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.69      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.91      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.7       | 6.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 8.2       | 13              | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.4       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.77      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Styrene   | EPA 8260B | 9G30016 | 0.74      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.72      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.62      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| <b>Toluene</b>  | EPA 8260B | 9G30016 | 0.63      | 1.3             | <b>11</b>     | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.69      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.99      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.80      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G30016 | 3.2       | 6.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.2       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.6       | 5.1             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.63      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.74      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.81      | 2.5             | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 13        | 63              | ND            | 1.27            | 07/30/09       | 07/30/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 |               | 85 %            |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 |               | 102 %           |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 |               | 92 %            |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 14 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-12 (ISWC0072 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 9.2       | 12              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 0.97      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.0       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.92      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.1       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 6.9       | 12              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.83      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.77      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.72      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.1       | 5.8             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.58      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.7       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.2       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.0       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.85      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.7       | 12              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.81      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.92      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.97      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.7       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.92      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.69      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 0.96      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.81      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.92      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.73      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.69      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.51      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.70      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.46      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.92      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G30016 | 11        | 12              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-12 (ISWC0072 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.62      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.83      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.2       | 5.8             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 7.5       | 12              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.3       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.70      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Styrene   | EPA 8260B | 9G30016 | 0.67      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.66      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.99      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.57      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| <b>Toluene</b>  | EPA 8260B | 9G30016 | 0.58      | 1.2             | <b>0.60</b>   | 1.15            | 07/30/09       | 07/30/09      | J               |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.81      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.62      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.2       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.90      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.73      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G30016 | 2.9       | 5.8             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.1       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.92      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.58      | 1.2             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.5       | 4.6             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.58      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.67      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.2       | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.74      | 2.3             | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 12        | 58              | ND            | 1.15            | 07/30/09       | 07/30/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 74 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 100 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 93 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 9.6       | 12              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 1.0       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.96      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 7.2       | 12              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.87      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.81      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.75      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.2       | 6.0             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.60      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.63      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.8       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.0       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.89      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.8       | 12              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.84      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.96      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.8       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.96      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.72      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.84      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.96      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.76      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.72      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.53      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.73      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.48      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.96      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G30016 | 11        | 12              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.65      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.87      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.4       | 6.0             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 7.8       | 12              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.3       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.73      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Styrene   | EPA 8260B | 9G30016 | 0.70      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.69      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.0       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.59      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.84      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.0       | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.65      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.94      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.76      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G30016 | 3.0       | 6.0             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.1       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.96      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.60      | 1.2             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.6       | 4.8             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.60      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.70      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.2       | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.77      | 2.4             | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 12        | 60              | ND            | 1.2             | 07/30/09       | 07/30/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 90 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 101 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 105 %         |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 18 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-14 (ISWC0076 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 14        | 18              | 15            | 1.79            | 07/30/09       | 07/31/09      | J               |
| Benzene   | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 1.5       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.6       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 1.4       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.6       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 11        | 18              | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 1.3       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 1.2       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 1.1       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.7       | 9.0             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.90      | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.93      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 2.7       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.8       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.6       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.3       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 2.7       | 18              | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 1.3       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 1.4       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.6       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.7       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.5       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.7       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 2.7       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 1.4       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 1.1       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 1.5       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 1.3       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 1.4       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 1.1       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 1.1       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.79      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 1.1       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.72      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 1.4       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G30016 | 16        | 18              | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-14 (ISWC0076 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.97      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 1.3       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 8.1       | 9.0             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 12        | 18              | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 2.0       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 1.1       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G30016 | 1.0       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.0       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.5       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.88      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.8       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.8       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.3       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.6       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.97      | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.8       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 1.4       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 1.1       | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G30016 | 4.5       | 9.0             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.6       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 1.4       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.90      | 1.8             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 2.3       | 7.2             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.90      | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 1.0       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.8       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 1.1       | 3.6             | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 18        | 90              | ND            | 1.79            | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 73 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 106 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 92 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 8.9       | 11              | 19            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 0.94      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.0       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.89      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 1.0       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 6.7       | 11              | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.80      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.75      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.69      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.1       | 5.6             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.56      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.58      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.7       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.1       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.97      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.82      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.7       | 11              | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.78      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.89      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.0       | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.94      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.0       | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.7       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.89      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.67      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 0.92      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.78      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.89      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.70      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.67      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.49      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.68      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.45      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.89      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G30016 | 10        | 11              | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.60      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.80      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.0       | 5.6             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 7.2       | 11              | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.2       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.68      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Styrene   | EPA 8260B | 9G30016 | 0.65      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.63      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.96      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.55      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.1       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.1       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.78      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.97      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.60      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.1       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.87      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.70      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G30016 | 2.8       | 5.6             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.0       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.89      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.56      | 1.1             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.4       | 4.5             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.56      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.65      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.1       | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.71      | 2.2             | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 11        | 56              | ND            | 1.11            | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 85 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 104 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 85 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-16 (ISWC0063 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 7.8       | 9.7             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 0.82      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 0.87      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.78      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 0.89      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 5.8       | 9.7             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.70      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.65      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.60      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 0.94      | 4.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.49      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.50      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.5       | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 0.97      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.84      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.72      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.5       | 9.7             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.68      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.78      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 0.87      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.92      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.82      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.91      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.5       | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.78      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.58      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 0.81      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.68      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.78      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.61      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.58      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.43      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.59      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.39      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.78      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 2-Hexanone  | EPA 8260B | 9G30016 | 8.8       | 9.7             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-16 (ISWC0063 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.52      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.70      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 4.4       | 4.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 6.3       | 9.7             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.1       | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.59      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Styrene   | EPA 8260B | 9G30016 | 0.56      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.55      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.83      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.48      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 0.97      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 0.97      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.68      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.84      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.52      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 0.97      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.76      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.61      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Vinyl acetate   | EPA 8260B | 9G30016 | 2.4       | 4.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 0.88      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.78      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.49      | 0.97            | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.3       | 3.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.49      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.56      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 0.97      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.62      | 1.9             | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 9.7       | 49              | ND            | 0.971           | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 |               |                 |                |               | 97 %            |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 |               |                 |                |               | 104 %           |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 |               |                 |                |               | 102 %           |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G31004 | 9.9       | 12              | 21            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Benzene   | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Bromobenzene  | EPA 8260B | 9G31004 | 1.0       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G31004 | 1.1       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Bromodichloromethane                                | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Bromoform   | EPA 8260B | 9G31004 | 0.99      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Bromomethane  | EPA 8260B | 9G31004 | 1.1       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G31004 | 7.4       | 12              | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| <b>n-Butylbenzene</b>                               | EPA 8260B | 9G31004 | 0.89      | 2.5             | 1.2           | 1.23            | 07/31/09       | 07/31/09      | I, J            |
| sec-Butylbenzene                                    | EPA 8260B | 9G31004 | 0.83      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G31004 | 0.77      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G31004 | 1.2       | 6.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Carbon tetrachloride                                | EPA 8260B | 9G31004 | 0.62      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Chlorobenzene                                       | EPA 8260B | 9G31004 | 0.64      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Chloroethane  | EPA 8260B | 9G31004 | 1.9       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Chloroform  | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Chloromethane                                       | EPA 8260B | 9G31004 | 1.2       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 2-Chlorotoluene                                     | EPA 8260B | 9G31004 | 1.1       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.91      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G31004 | 1.9       | 12              | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G31004 | 0.86      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G31004 | 0.99      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Dibromomethane                                      | EPA 8260B | 9G31004 | 1.1       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.2       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.0       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.2       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G31004 | 1.9       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.99      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G31004 | 0.74      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G31004 | 1.0       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G31004 | 0.86      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.99      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.78      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.74      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G31004 | 0.54      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G31004 | 0.75      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G31004 | 0.49      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Ethylbenzene  | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Hexachlorobutadiene                                 | EPA 8260B | 9G31004 | 0.99      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G31004 | 11        | 12              | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G31004 | 0.67      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G31004 | 0.89      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G31004 | 5.6       | 6.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Methylene chloride  | EPA 8260B | 9G31004 | 8.0       | 12              | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| <b>Naphthalene</b>  | EPA 8260B | 9G31004 | 1.4       | 2.5             | <b>4.2</b>    | 1.23            | 07/31/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G31004 | 0.75      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G31004 | 0.72      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.70      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 1.1       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G31004 | 0.60      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Toluene   | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| <b>1,2,3-Trichlorobenzene</b>                               | EPA 8260B | 9G31004 | 1.2       | 2.5             | <b>3.3</b>    | 1.23            | 07/31/09       | 07/31/09      | I               |
| <b>1,2,4-Trichlorobenzene</b>                               | EPA 8260B | 9G31004 | 1.2       | 2.5             | <b>1.9</b>    | 1.23            | 07/31/09       | 07/31/09      | J, I            |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.86      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G31004 | 1.1       | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| <b>Trichloroethene</b>                                      | EPA 8260B | 9G31004 | 0.62      | 1.2             | <b>0.96</b>   | 1.23            | 07/31/09       | 07/31/09      | I, J            |
| Trichlorofluoromethane                                      | EPA 8260B | 9G31004 | 0.67      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G31004 | 1.2       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.96      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.78      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G31004 | 3.1       | 6.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Vinyl chloride  | EPA 8260B | 9G31004 | 1.1       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| m,p-Xylenes   | EPA 8260B | 9G31004 | 0.99      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| o-Xylene  | EPA 8260B | 9G31004 | 0.62      | 1.2             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Xylenes, Total  | EPA 8260B | 9G31004 | 1.6       | 4.9             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G31004 | 0.62      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G31004 | 0.72      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G31004 | 1.2       | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G31004 | 0.79      | 2.5             | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| tert-Butanol (TBA)  | EPA 8260B | 9G31004 | 12        | 62              | ND            | 1.23            | 07/31/09       | 07/31/09      | I               |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 76 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 102 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 99 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G31004 | 8.8       | 11              | 29            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Benzene   | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Bromobenzene  | EPA 8260B | 9G31004 | 0.93      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G31004 | 1.0       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Bromodichloromethane                                | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Bromoform   | EPA 8260B | 9G31004 | 0.88      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Bromomethane  | EPA 8260B | 9G31004 | 1.0       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G31004 | 6.6       | 11              | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| n-Butylbenzene                                      | EPA 8260B | 9G31004 | 0.80      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G31004 | 0.74      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G31004 | 0.69      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G31004 | 1.1       | 5.5             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Carbon tetrachloride                                | EPA 8260B | 9G31004 | 0.55      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Chlorobenzene                                       | EPA 8260B | 9G31004 | 0.58      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Chloroethane  | EPA 8260B | 9G31004 | 1.7       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Chloroform  | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Chloromethane                                       | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 2-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.96      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.82      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G31004 | 1.7       | 11              | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G31004 | 0.77      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G31004 | 0.88      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Dibromomethane                                      | EPA 8260B | 9G31004 | 1.0       | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.1       | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.93      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.0       | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G31004 | 1.7       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.88      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G31004 | 0.66      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G31004 | 0.92      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G31004 | 0.77      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.88      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.70      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.66      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G31004 | 0.49      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G31004 | 0.67      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G31004 | 0.44      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Ethylbenzene  | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Hexachlorobutadiene                                 | EPA 8260B | 9G31004 | 0.88      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G31004 | 10        | 11              | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G31004 | 0.60      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G31004 | 0.80      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G31004 | 5.0       | 5.5             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Methylene chloride  | EPA 8260B | 9G31004 | 7.2       | 11              | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Naphthalene   | EPA 8260B | 9G31004 | 1.2       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G31004 | 0.67      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G31004 | 0.64      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.63      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.95      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Toluene   | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.77      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.96      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Trichloroethene   | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Trichlorofluoromethane                                      | EPA 8260B | 9G31004 | 0.60      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.86      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.70      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G31004 | 2.8       | 5.5             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Vinyl chloride  | EPA 8260B | 9G31004 | 1.0       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| m,p-Xylenes   | EPA 8260B | 9G31004 | 0.88      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| o-Xylene  | EPA 8260B | 9G31004 | 0.55      | 1.1             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Xylenes, Total  | EPA 8260B | 9G31004 | 1.4       | 4.4             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G31004 | 0.55      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G31004 | 0.64      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G31004 | 0.71      | 2.2             | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| tert-Butanol (TBA)  | EPA 8260B | 9G31004 | 11        | 55              | ND            | 1.11            | 07/31/09       | 07/31/09      | I               |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 77 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 108 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 101 %         |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 28 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G31004 | 8.1       | 10              | <b>9.9</b>    | 1.02            | 07/31/09       | 07/31/09      | I, J            |
| Benzene   | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G31004 | 0.85      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G31004 | 0.91      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Bromodichloromethane                                | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G31004 | 0.81      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Bromomethane  | EPA 8260B | 9G31004 | 0.93      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G31004 | 6.1       | 10              | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| n-Butylbenzene                                      | EPA 8260B | 9G31004 | 0.73      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G31004 | 0.68      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G31004 | 0.63      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G31004 | 0.99      | 5.1             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Carbon tetrachloride                                | EPA 8260B | 9G31004 | 0.51      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G31004 | 0.53      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Chloroethane  | EPA 8260B | 9G31004 | 1.5       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Chloroform  | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Chloromethane                                       | EPA 8260B | 9G31004 | 1.0       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 2-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.88      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.75      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G31004 | 1.5       | 10              | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G31004 | 0.71      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G31004 | 0.81      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Dibromomethane                                      | EPA 8260B | 9G31004 | 0.91      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.97      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.85      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.96      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G31004 | 1.5       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.81      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G31004 | 0.61      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G31004 | 0.84      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G31004 | 0.71      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.81      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.64      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.61      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G31004 | 0.45      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G31004 | 0.62      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G31004 | 0.41      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Hexachlorobutadiene                                 | EPA 8260B | 9G31004 | 0.81      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G31004 | 9.2       | 10              | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G31004 | 0.55      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G31004 | 0.73      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G31004 | 4.6       | 5.1             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G31004 | 6.6       | 10              | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Naphthalene   | EPA 8260B | 9G31004 | 1.1       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G31004 | 0.62      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G31004 | 0.59      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.58      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.87      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G31004 | 0.50      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| <b>Toluene</b>  | EPA 8260B | 9G31004 | 0.51      | 1.0             | <b>3.0</b>    | 1.02            | 07/31/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.0       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.0       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.71      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.88      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G31004 | 0.55      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G31004 | 1.0       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.79      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.64      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G31004 | 2.5       | 5.1             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Vinyl chloride  | EPA 8260B | 9G31004 | 0.92      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| m,p-Xylenes   | EPA 8260B | 9G31004 | 0.81      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| o-Xylene  | EPA 8260B | 9G31004 | 0.51      | 1.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Xylenes, Total  | EPA 8260B | 9G31004 | 1.3       | 4.1             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G31004 | 0.51      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G31004 | 0.59      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G31004 | 1.0       | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G31004 | 0.65      | 2.0             | ND            | 1.02            | 07/31/09       | 07/31/09      | I               |
| tert-Butanol (TBA)  | EPA 8260B | 9G31004 | 10        | 51              | ND            | 1.02            | 07/31/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 81 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 115 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 99 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 30 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-26 (ISWC0071 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G31004 | 8.6       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Benzene   | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G31004 | 0.90      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G31004 | 0.97      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G31004 | 0.86      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Bromomethane  | EPA 8260B | 9G31004 | 0.99      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G31004 | 6.5       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G31004 | 0.77      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G31004 | 0.72      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G31004 | 0.67      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G31004 | 1.0       | 5.4             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G31004 | 0.54      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G31004 | 0.56      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Chloroethane  | EPA 8260B | 9G31004 | 1.6       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.94      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G31004 | 0.80      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G31004 | 1.6       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G31004 | 0.75      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G31004 | 0.86      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G31004 | 0.97      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.0       | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 0.90      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G31004 | 1.0       | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G31004 | 1.6       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G31004 | 0.86      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G31004 | 0.65      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G31004 | 0.89      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G31004 | 0.75      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.86      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.68      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G31004 | 0.65      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G31004 | 0.47      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G31004 | 0.66      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G31004 | 0.43      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G31004 | 0.86      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G31004 | 9.8       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-26 (ISWC0071 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G31004 | 0.58      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G31004 | 0.77      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G31004 | 4.8       | 5.4             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G31004 | 7.0       | 11              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G31004 | 1.2       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G31004 | 0.66      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G31004 | 0.62      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.61      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G31004 | 0.92      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G31004 | 0.53      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Toluene   | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.75      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G31004 | 0.94      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G31004 | 0.58      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.84      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G31004 | 0.68      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G31004 | 2.7       | 5.4             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G31004 | 0.98      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G31004 | 0.86      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| o-Xylene  | EPA 8260B | 9G31004 | 0.54      | 1.1             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G31004 | 1.4       | 4.3             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G31004 | 0.54      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G31004 | 0.62      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G31004 | 1.1       | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G31004 | 0.69      | 2.2             | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G31004 | 11        | 54              | ND            | 1.08            | 07/31/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 89 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 104 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 103 %         |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 10        | 13              | 16            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Bromomethane  | EPA 8260B | 9G30016 | 1.2       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 7.6       | 13              | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.91      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.85      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.79      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.2       | 6.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.63      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.66      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Chloroethane  | EPA 8260B | 9G30016 | 1.9       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.94      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.9       | 13              | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.2       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.2       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.9       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.76      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 1.0       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.80      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.76      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.56      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.77      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.51      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G30016 | 12        | 13              | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.69      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.91      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 5.7       | 6.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 8.2       | 13              | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.4       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.77      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G30016 | 0.74      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.72      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 1.1       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.62      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Toluene   | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.89      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 1.1       | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.69      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.99      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.80      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G30016 | 3.2       | 6.3             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 1.2       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 1.0       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| o-Xylene  | EPA 8260B | 9G30016 | 0.63      | 1.3             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.6       | 5.1             | ND            | 1.27            | 07/30/09       | 07/31/09      | I               |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.63      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.74      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.3       | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.81      | 2.5             | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 13        | 63              | ND            | 1.27            | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 63 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 123 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 94 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-28 (ISWC0075 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acetone   | EPA 8260B | 9G30016 | 8.5       | 11              | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Benzene   | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Bromobenzene  | EPA 8260B | 9G30016 | 0.89      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Bromochloromethane                                  | EPA 8260B | 9G30016 | 0.96      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Bromodichloromethane                                | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Bromoform   | EPA 8260B | 9G30016 | 0.85      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Bromomethane  | EPA 8260B | 9G30016 | 0.98      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 2-Butanone (MEK)                                    | EPA 8260B | 9G30016 | 6.4       | 11              | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| n-Butylbenzene                                      | EPA 8260B | 9G30016 | 0.77      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| sec-Butylbenzene                                    | EPA 8260B | 9G30016 | 0.71      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| tert-Butylbenzene                                   | EPA 8260B | 9G30016 | 0.66      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Carbon Disulfide                                    | EPA 8260B | 9G30016 | 1.0       | 5.3             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Carbon tetrachloride                                | EPA 8260B | 9G30016 | 0.53      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Chlorobenzene                                       | EPA 8260B | 9G30016 | 0.55      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Chloroethane  | EPA 8260B | 9G30016 | 1.6       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Chloroform  | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Chloromethane                                       | EPA 8260B | 9G30016 | 1.1       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 2-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.93      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 4-Chlorotoluene                                     | EPA 8260B | 9G30016 | 0.79      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,2-Dibromo-3-chloropropane                         | EPA 8260B | 9G30016 | 1.6       | 11              | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Dibromochloromethane                                | EPA 8260B | 9G30016 | 0.74      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dibromoethane (EDB)                             | EPA 8260B | 9G30016 | 0.85      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Dibromomethane                                      | EPA 8260B | 9G30016 | 0.96      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.0       | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,3-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 0.89      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,4-Dichlorobenzene                                 | EPA 8260B | 9G30016 | 1.0       | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Dichlorodifluoromethane                             | EPA 8260B | 9G30016 | 1.6       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloroethane                                  | EPA 8260B | 9G30016 | 0.85      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloroethene                                  | EPA 8260B | 9G30016 | 0.64      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| cis-1,2-Dichloroethene                              | EPA 8260B | 9G30016 | 0.88      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| trans-1,2-Dichloroethene                            | EPA 8260B | 9G30016 | 0.74      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.85      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,3-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.67      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 2,2-Dichloropropane                                 | EPA 8260B | 9G30016 | 0.64      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| cis-1,3-Dichloropropene                             | EPA 8260B | 9G30016 | 0.47      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| trans-1,3-Dichloropropene                           | EPA 8260B | 9G30016 | 0.65      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1-Dichloropropene                                 | EPA 8260B | 9G30016 | 0.43      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Ethylbenzene  | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Hexachlorobutadiene                                 | EPA 8260B | 9G30016 | 0.85      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 2-Hexanone  | EPA 8260B | 9G30016 | 9.7       | 11              | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-28 (ISWC0075 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene  | EPA 8260B | 9G30016 | 0.57      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| p-Isopropyltoluene  | EPA 8260B | 9G30016 | 0.77      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | EPA 8260B | 9G30016 | 4.8       | 5.3             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Methylene chloride  | EPA 8260B | 9G30016 | 6.9       | 11              | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8260B | 9G30016 | 1.2       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| n-Propylbenzene   | EPA 8260B | 9G30016 | 0.65      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Styrene   | EPA 8260B | 9G30016 | 0.62      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1,1,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.61      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1,2,2-Tetrachloroethane                                   | EPA 8260B | 9G30016 | 0.91      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Tetrachloroethene   | EPA 8260B | 9G30016 | 0.52      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Toluene   | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.1       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trichlorobenzene                                      | EPA 8260B | 9G30016 | 1.1       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,1,1-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.74      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,1,2-Trichloroethane                                       | EPA 8260B | 9G30016 | 0.93      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Trichloroethene   | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Trichlorofluoromethane                                      | EPA 8260B | 9G30016 | 0.57      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| 1,2,3-Trichloropropane                                      | EPA 8260B | 9G30016 | 1.1       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,2,4-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.83      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| 1,3,5-Trimethylbenzene                                      | EPA 8260B | 9G30016 | 0.67      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      | I               |
| Vinyl acetate   | EPA 8260B | 9G30016 | 2.7       | 5.3             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Vinyl chloride  | EPA 8260B | 9G30016 | 0.97      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| m,p-Xylenes   | EPA 8260B | 9G30016 | 0.85      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| o-Xylene  | EPA 8260B | 9G30016 | 0.53      | 1.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Xylenes, Total  | EPA 8260B | 9G30016 | 1.4       | 4.3             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Di-isopropyl Ether (DIPE)                                   | EPA 8260B | 9G30016 | 0.53      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Ethyl tert-Butyl Ether (ETBE)                               | EPA 8260B | 9G30016 | 0.62      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                              | EPA 8260B | 9G30016 | 1.1       | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| tert-Amyl Methyl Ether (TAME)                               | EPA 8260B | 9G30016 | 0.68      | 2.1             | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| tert-Butanol (TBA)  | EPA 8260B | 9G30016 | 11        | 53              | ND            | 1.06            | 07/30/09       | 07/31/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                   |           |         |           |                 | 81 %          |                 |                |               |                 |
| Surrogate: Dibromofluoromethane (80-125%)                   |           |         |           |                 | 104 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                             |           |         |           |                 | 97 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISG2199 <Page 36 of 190>

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01RE1 (ISWC0062 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 170       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 1300      | 1300            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 220       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 400       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 240       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 120       | 340             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 170       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 200       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 200       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 220       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 220       | 1300            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project Manager

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01RE1 (ISWC0062 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      | RL1             |
| Fluorene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 280       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 140       | 500             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 97 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 78 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 110 %         |                 |                |               |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02RE1 (ISWC0064 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 170       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 1300      | 1300            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 220       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 400       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 240       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 120       | 340             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 170       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 200       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 200       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 220       | 840             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 220       | 1300            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02RE1 (ISWC0064 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Fluorene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 280       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 140       | 500             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 101 %         |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 85 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 84 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 83 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 87 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 134 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-03RE1 (ISWC0066 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 130       | 630             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 990       | 990             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>Benzo(a)pyrene</b>                                  | EPA 8270C | 9H03041 | 82        | 500             | <b>110</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 75        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>Benzo(g,h,i)perylene</b>                            | EPA 8270C | 9H03041 | 160       | 500             | <b>160</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>Benzoic acid</b>                                    | EPA 8270C | 9H03041 | 220       | 1200            | <b>460</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 300       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 110       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 180       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 90        | 260             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 98        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 130       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 110       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 150       | 630             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 98        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 220       | 1200            | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 150       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 98        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 160       | 630             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 160       | 990             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-03RE1 (ISWC0066 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| <b>Fluoranthene</b>  | EPA 8270C | 9H03041 | 100       | 500             | <b>120</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| Fluorene   | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 140       | 1200            | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 98        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 200       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>2-Methylnaphthalene</b>                                     | EPA 8270C | 9H03041 | 100       | 500             | <b>120</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 110       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 140       | 1200            | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 100       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 90        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 210       | 1200            | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 100       | 380             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 82        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 120       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 220       | 1200            | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>Phenanthrene</b>  | EPA 8270C | 9H03041 | 90        | 500             | <b>120</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| Phenol   | EPA 8270C | 9H03041 | 140       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <b>Pyrene</b>  | EPA 8270C | 9H03041 | 120       | 500             | <b>220</b>    | 1.5             | 08/03/09       | 08/05/09      | J               |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 75        | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 200       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 110       | 500             | ND            | 1.5             | 08/03/09       | 08/05/09      |                 |
| <i>Surrogate: 2,4,6-Tribromophenol (35-125%)</i>               |           |         |           |                 | <i>113 %</i>  |                 |                |               |                 |
| <i>Surrogate: 2-Fluorobiphenyl (35-120%)</i>                   |           |         |           |                 | <i>86 %</i>   |                 |                |               |                 |
| <i>Surrogate: 2-Fluorophenol (25-120%)</i>                     |           |         |           |                 | <i>86 %</i>   |                 |                |               |                 |
| <i>Surrogate: Nitrobenzene-d5 (30-120%)</i>                    |           |         |           |                 | <i>80 %</i>   |                 |                |               |                 |
| <i>Surrogate: Phenol-d6 (35-120%)</i>                          |           |         |           |                 | <i>91 %</i>   |                 |                |               |                 |
| <i>Surrogate: Terphenyl-d14 (40-135%)</i>                      |           |         |           |                 | <i>147 %</i>  |                 |                |               |                 |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-04RE1 (ISWC0068 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 85        | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 660       | 660             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| <b>Benzo(g,h,i)perylene</b>                            | EPA 8270C | 9H03041 | 110       | 330             | <b>110</b>    | 1               | 08/03/09       | 08/05/09      | J               |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 200       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 120       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 60        | 170             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 85        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 100       | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 100       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 110       | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 110       | 660             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-04RE1 (ISWC0068 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Fluorene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 140       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 70        | 250             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 98 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 78 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 83 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 126 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-05RE1 (ISWC0050 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 85        | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 660       | 660             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 110       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 200       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 120       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 60        | 170             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 85        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 100       | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 100       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 110       | 420             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 110       | 660             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-05RE1 (ISWC0050 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Fluorene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 140       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 70        | 250             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 95 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 131 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-06RE1 (ISWC0052 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 170       | 840             | ND            | 2               | 08/03/09       | 08/06/09      | C-2             |
| Anthracene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 1300      | 1300            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 220       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 400       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 240       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 120       | 340             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 170       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 200       | 840             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 200       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 220       | 840             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 220       | 1300            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 190       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-06RE1 (ISWC0052 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      | RL1             |
| Fluorene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 130       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 180       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 140       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 280       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 140       | 500             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 110       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 300       | 1700            | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 120       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 180       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 160       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 100       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 260       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 150       | 660             | ND            | 2               | 08/03/09       | 08/06/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 104 %         |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 92 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 90 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 82 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 89 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 126 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-07RE1 (ISWC0054 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 680       | 3400            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 5300      | 5300            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 440       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 400       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 880       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 1200      | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 1600      | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 600       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 960       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 480       | 1400            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                      | EPA 8270C | 9H03041 | 720       | 2600            | <b>740</b>    | 8               | 08/03/09       | 08/05/09      | <b>J</b>        |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 520       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 680       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 600       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 800       | 3400            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 720       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 720       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 520       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 1200      | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 760       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 800       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 520       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 880       | 3400            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 880       | 5300            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 760       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 720       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project Manager

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-07RE1 (ISWC0054 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      | RL1             |
| Fluorene   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 720       | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 520       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 1000      | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 600       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 720       | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 560       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 1100      | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 560       | 2000            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 440       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 1200      | 6600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 480       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 720       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 640       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 400       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 1000      | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 600       | 2600            | ND            | 8               | 08/03/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 100 %         |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 79 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 77 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 86 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 122 %         |                 |                |               |                 |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-08RE1 (ISWC0056 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Aniline  | EPA 8270C | 9H03041 | 85        | 420             | ND            | 1               | 08/03/09       | 08/03/09      | C-2             |
| Anthracene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzidine  | EPA 8270C | 9H03041 | 660       | 660             | ND            | 1               | 08/03/09       | 08/03/09      | M2              |
| Benzo(a)anthracene                                     | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H03041 | 110       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzoic acid   | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H03041 | 200       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H03041 | 120       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H03041 | 60        | 170             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H03041 | 85        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Chrysene   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H03041 | 100       | 420             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H03041 | 100       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H03041 | 110       | 420             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H03041 | 110       | 660             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H03041 | 95        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-08RE1 (ISWC0056 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Fluorene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H03041 | 65        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Isophorone   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Naphthalene  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H03041 | 90        | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H03041 | 70        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H03041 | 140       | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H03041 | 70        | 250             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H03041 | 55        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H03041 | 150       | 830             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Phenanthrene   | EPA 8270C | 9H03041 | 60        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Phenol   | EPA 8270C | 9H03041 | 90        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Pyrene   | EPA 8270C | 9H03041 | 80        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H03041 | 50        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H03041 | 130       | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H03041 | 75        | 330             | ND            | 1               | 08/03/09       | 08/03/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 82 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 68 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 98 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| <b>Benzo(b)fluoranthene</b>                         | EPA 8270C | 9G29004 | 50        | 330             | <b>390</b>    | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | 97            | 1               | 07/29/09       | 07/31/09      | J               |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | 82            | 1               | 07/29/09       | 07/31/09      | J               |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 89 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 71 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 90 %          |                 |                |               |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-10 (ISWC0060 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-10 (ISWC0060 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 83 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 77 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 90 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager



The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.996           | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 60 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 92 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-12 (ISWC0072 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      | M2              |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| <b>Benzo(g,h,i)perylene</b>                         | EPA 8270C | 9G29004 | 110       | 330             | <b>210</b>    | 1               | 07/29/09       | 07/31/09      | J               |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      | M1              |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      | M2              |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-12 (ISWC0072 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 61 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 64 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 64 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 67 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 107 %         |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 83 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 93 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-14 (ISWC0076 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-14 (ISWC0076 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 91 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 97 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager



The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| <b>Benzo(b)fluoranthene</b>                         | EPA 8270C | 9G29004 | 50        | 330             | <b>370</b>    | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 96 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 69 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 103 %         |                 |                |               |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-16 (ISWC0063 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-16 (ISWC0063 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 93 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 77 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 101 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 44 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 36 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 36 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 35 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 36 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 53 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Benzo(b)fluoranthene</b>                         | EPA 8270C | 9G29004 | 50        | 330             | <b>410</b>    | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Benzo(g,h,i)perylene</b>                         | EPA 8270C | 9G29004 | 110       | 330             | <b>190</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Benzoic acid</b>                                 | EPA 8270C | 9G29004 | 150       | 830             | <b>350</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Bis(2-ethylhexyl)phthalate                          | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                                      |           |         |           |                 |               |                 |                |               |                 |
| <b>Fluoranthene</b>   | EPA 8270C | 9G29004 | 70        | 330             | <b>100</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>2-Methylnaphthalene</b>                                  | EPA 8270C | 9G29004 | 70        | 330             | <b>130</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Naphthalene</b>  | EPA 8270C | 9G29004 | 60        | 330             | <b>100</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Phenanthrene</b>   | EPA 8270C | 9G29004 | 60        | 330             | <b>100</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| <b>Pyrene</b>   | EPA 8270C | 9G29004 | 80        | 330             | <b>130</b>    | 1               | 07/29/09       | 08/01/09      | J               |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 88 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 78 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 96 %          |                 |                |               |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-19RE1 (ISWC0049 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                          |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene   | EPA 8270C | 9H04147 | 79        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Acenaphthylene   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Aniline  | EPA 8270C | 9H04147 | 85        | 420             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Anthracene   | EPA 8270C | 9H04147 | 80        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzidine  | EPA 8270C | 9H04147 | 120       | 660             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzo(a)anthracene                                     | EPA 8270C | 9H04147 | 70        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzo(a)pyrene   | EPA 8270C | 9H04147 | 55        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzo(b)fluoranthene                                   | EPA 8270C | 9H04147 | 98        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzo(g,h,i)perylene                                   | EPA 8270C | 9H04147 | 140       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzo(k)fluoranthene                                   | EPA 8270C | 9H04147 | 70        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzoic acid   | EPA 8270C | 9H04147 | 150       | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Benzyl alcohol   | EPA 8270C | 9H04147 | 200       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Bromophenyl phenyl ether                             | EPA 8270C | 9H04147 | 75        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Butyl benzyl phthalate                                 | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Chloro-3-methylphenol                                | EPA 8270C | 9H04147 | 130       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Chloroaniline  | EPA 8270C | 9H04147 | 120       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Bis(2-chloroethoxy)methane                             | EPA 8270C | 9H04147 | 100       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Bis(2-chloroethyl)ether                                | EPA 8270C | 9H04147 | 130       | 170             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Bis(2-chloroisopropyl)ether                            | EPA 8270C | 9H04147 | 140       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Bis(2-ethylhexyl)phthalate                             | EPA 8270C | 9H04147 | 98        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Chloronaphthalene                                    | EPA 8270C | 9H04147 | 65        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Chlorophenol   | EPA 8270C | 9H04147 | 70        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Chlorophenyl phenyl ether                            | EPA 8270C | 9H04147 | 85        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Chrysene   | EPA 8270C | 9H04147 | 75        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Dibenz(a,h)anthracene                                  | EPA 8270C | 9H04147 | 140       | 420             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Dibenzofuran   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Di-n-butyl phthalate                                   | EPA 8270C | 9H04147 | 90        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 1,2-Dichlorobenzene                                    | EPA 8270C | 9H04147 | 180       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 1,3-Dichlorobenzene                                    | EPA 8270C | 9H04147 | 190       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 1,4-Dichlorobenzene                                    | EPA 8270C | 9H04147 | 65        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 3,3'-Dichlorobenzidine                                 | EPA 8270C | 9H04147 | 97        | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4-Dichlorophenol                                     | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Diethyl phthalate                                      | EPA 8270C | 9H04147 | 95        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4-Dimethylphenol                                     | EPA 8270C | 9H04147 | 87        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Dimethyl phthalate                                     | EPA 8270C | 9H04147 | 65        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4,6-Dinitro-2-methylphenol                             | EPA 8270C | 9H04147 | 110       | 420             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4-Dinitrophenol                                      | EPA 8270C | 9H04147 | 110       | 660             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4-Dinitrotoluene                                     | EPA 8270C | 9H04147 | 130       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,6-Dinitrotoluene                                     | EPA 8270C | 9H04147 | 95        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Di-n-octyl phthalate                                   | EPA 8270C | 9H04147 | 90        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-19RE1 (ISWC0049 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                  |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9H04147 | 100       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Fluorene   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9H04147 | 69        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9H04147 | 100       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Hexachlorocyclopentadiene                                      | EPA 8270C | 9H04147 | 90        | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Hexachloroethane   | EPA 8270C | 9H04147 | 65        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Indeno(1,2,3-cd)pyrene   | EPA 8270C | 9H04147 | 120       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Isophorone   | EPA 8270C | 9H04147 | 60        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9H04147 | 98        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9H04147 | 140       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9H04147 | 80        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Naphthalene  | EPA 8270C | 9H04147 | 100       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9H04147 | 160       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9H04147 | 75        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9H04147 | 140       | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Nitrobenzene   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9H04147 | 120       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9H04147 | 150       | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| N-Nitroso-di-n-propylamine                                     | EPA 8270C | 9H04147 | 110       | 250             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| N-Nitrosodimethylamine   | EPA 8270C | 9H04147 | 55        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| N-Nitrosodiphenylamine   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9H04147 | 130       | 830             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Phenanthrene   | EPA 8270C | 9H04147 | 92        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Phenol   | EPA 8270C | 9H04147 | 90        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Pyrene   | EPA 8270C | 9H04147 | 130       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 1,2,4-Trichlorobenzene   | EPA 8270C | 9H04147 | 110       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4,5-Trichlorophenol  | EPA 8270C | 9H04147 | 140       | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| 2,4,6-Trichlorophenol  | EPA 8270C | 9H04147 | 75        | 330             | ND            | 1               | 08/04/09       | 08/05/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                      |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                          |           |         |           |                 | 67 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                            |           |         |           |                 | 65 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                           |           |         |           |                 | 64 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                                 |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                             |           |         |           |                 | 79 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-20 (ISWC0051 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 90        | 330             | <b>200</b>    | 1               | 07/29/09       | 07/31/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-20 (ISWC0051 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 99 %          |                 |                |               |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 340       | 1700            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 2600      | 2600            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 220       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 200       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 440       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 600       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 800       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 300       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 480       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 240       | 680             | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 360       | 1300            | <b>430</b>    | 4               | 07/29/09       | 08/01/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 260       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 340       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 300       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 400       | 1700            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 360       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 360       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 260       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 600       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 380       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 400       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 260       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 440       | 1700            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 440       | 2600            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 380       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 360       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      | RL1             |
| Fluorene  | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 360       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 260       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 520       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 300       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 360       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 280       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 560       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 280       | 1000            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 220       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 600       | 3300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 240       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 360       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 320       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 200       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 520       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 300       | 1300            | ND            | 4               | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 85 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 69 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 68 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 100 %         |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-22 (ISWC0055 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 170       | 840             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 1300      | 1300            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 100       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 220       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 400       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 150       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 240       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 120       | 340             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 180       | 660             | <b>260</b>    | 2               | 07/29/09       | 08/01/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 170       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 200       | 840             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 180       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 190       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 200       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 220       | 840             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 220       | 1300            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 190       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-22 (ISWC0055 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      | RL1             |
| Fluorene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 260       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 280       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 140       | 500             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 180       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 100       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 260       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 150       | 660             | ND            | 2               | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 85 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 68 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 67 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 95 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project Manager



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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-23 (ISWC0057 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 170       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 1300      | 1300            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 100       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 220       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 400       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| <b>Butyl benzyl phthalate</b>                       | EPA 8270C | 9G29004 | 160       | 660             | <b>180</b>    | 1.99            | 07/29/09       | 08/01/09      | J               |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 240       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 120       | 340             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 180       | 660             | <b>220</b>    | 1.99            | 07/29/09       | 08/01/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 170       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 200       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 190       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 200       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 220       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 220       | 1300            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 190       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-23 (ISWC0057 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               | <b>RL1</b>      |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 260       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 280       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 140       | 500             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 100       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 260       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 63 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 61 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 60 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 64 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 99 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-24 (ISWC0059 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 90        | 330             | <b>190</b>    | 0.997           | 07/29/09       | 07/31/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-24 (ISWC0059 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 |               |                 |                |               | 82 %            |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 |               |                 |                |               | 64 %            |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 |               |                 |                |               | 67 %            |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 |               |                 |                |               | 64 %            |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 |               |                 |                |               | 68 %            |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 |               |                 |                |               | 106 %           |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 170       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 1300      | 1300            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 100       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 220       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 400       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 240       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 120       | 340             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 180       | 660             | <b>210</b>    | 1.99            | 07/29/09       | 08/01/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 170       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 200       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 190       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 200       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 220       | 840             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 220       | 1300            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 190       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      | RL1             |
| Fluorene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 130       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 260       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 180       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 140       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 280       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 140       | 500             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 300       | 1700            | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 120       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 180       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 160       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 100       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 260       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 150       | 660             | ND            | 1.99            | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 89 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 106 %         |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-26 (ISWC0071 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 90        | 330             | <b>190</b>    | 0.997           | 07/29/09       | 08/01/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |

### TestAmerica Irvine

Joseph Doak  
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The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-26 (ISWC0071 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.997           | 07/29/09       | 08/01/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 90 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 102 %         |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager



The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 90        | 330             | <b>230</b>    | 1               | 07/29/09       | 07/31/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 1               | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 90 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 70 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 122 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-28 (ISWC0075 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                       |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Acenaphthylene                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Aniline   | EPA 8270C | 9G29004 | 85        | 420             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Anthracene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzidine   | EPA 8270C | 9G29004 | 660       | 660             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)anthracene                                  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzo(a)pyrene                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzo(b)fluoranthene                                | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzo(g,h,i)perylene                                | EPA 8270C | 9G29004 | 110       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzo(k)fluoranthene                                | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzoic acid  | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Benzyl alcohol                                      | EPA 8270C | 9G29004 | 200       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Bromophenyl phenyl ether                          | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Butyl benzyl phthalate                              | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Chloro-3-methylphenol                             | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Chloroaniline                                     | EPA 8270C | 9G29004 | 120       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethoxy)methane                          | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroethyl)ether                             | EPA 8270C | 9G29004 | 60        | 170             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Bis(2-chloroisopropyl)ether                         | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                   | EPA 8270C | 9G29004 | 90        | 330             | <b>220</b>    | 0.999           | 07/29/09       | 07/31/09      | J               |
| 2-Chloronaphthalene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2-Chlorophenol                                      | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Chlorophenyl phenyl ether                         | EPA 8270C | 9G29004 | 85        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Chrysene  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Dibenz(a,h)anthracene                               | EPA 8270C | 9G29004 | 100       | 420             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Dibenzofuran  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Di-n-butyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 1,2-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 1,3-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 1,4-Dichlorobenzene                                 | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 3,3'-Dichlorobenzidine                              | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dichlorophenol                                  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Diethyl phthalate                                   | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dimethylphenol                                  | EPA 8270C | 9G29004 | 100       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Dimethyl phthalate                                  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4,6-Dinitro-2-methylphenol                          | EPA 8270C | 9G29004 | 110       | 420             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrophenol                                   | EPA 8270C | 9G29004 | 110       | 660             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,6-Dinitrotoluene                                  | EPA 8270C | 9G29004 | 95        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Di-n-octyl phthalate                                | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                    | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-28 (ISWC0075 S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                               |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Fluorene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Hexachlorocyclopentadiene                                   | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      | C-2             |
| Hexachloroethane  | EPA 8270C | 9G29004 | 65        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Indeno(1,2,3-cd)pyrene                                      | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Isophorone  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Naphthalene   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9G29004 | 90        | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Nitrobenzene  | EPA 8270C | 9G29004 | 70        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9G29004 | 140       | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| N-Nitroso-di-n-propylamine                                  | EPA 8270C | 9G29004 | 70        | 250             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodimethylamine                                      | EPA 8270C | 9G29004 | 55        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| N-Nitrosodiphenylamine                                      | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9G29004 | 150       | 830             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Phenanthrene  | EPA 8270C | 9G29004 | 60        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Phenol  | EPA 8270C | 9G29004 | 90        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Pyrene  | EPA 8270C | 9G29004 | 80        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 1,2,4-Trichlorobenzene                                      | EPA 8270C | 9G29004 | 50        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4,5-Trichlorophenol                                       | EPA 8270C | 9G29004 | 130       | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| 2,4,6-Trichlorophenol                                       | EPA 8270C | 9G29004 | 75        | 330             | ND            | 0.999           | 07/29/09       | 07/31/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                   |           |         |           |                 | 90 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                       |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                         |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                        |           |         |           |                 | 72 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                              |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                          |           |         |           |                 | 114 %         |                 |                |               |                 |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-05 (ISWC0050 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1254  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1260  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 79 %          |                 |                |               |                 |
| <b>Sample ID: ISG2199-06 (ISWC0052 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| <b>Aroclor 1254</b>                                 | EPA 8082 | 9G29006 | 6.7       | 50              | <b>76</b>     | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1260  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 74 %          |                 |                |               |                 |
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| <b>Aroclor 1254</b>                                 | EPA 8082 | 9G29006 | 6.7       | 50              | <b>290</b>    | 1               | 07/29/09       | 07/30/09      | A-01, R-1       |
| <b>Aroclor 1260</b>                                 | EPA 8082 | 9G29006 | 6.7       | 50              | <b>220</b>    | 1               | 07/29/09       | 07/30/09      | A-01a, R-1      |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 74 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-08 (ISWC0056 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1254  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1260  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 72 %          |                 |                |               |                 |

### Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)

|   |          |         |     |    |      |   |          |          |  |
|---|----------|---------|-----|----|------|---|----------|----------|--|
| Reporting Units: ug/kg                  |          |         |     |    |      |   |          |          |  |
| Aroclor 1016                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1221                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1232                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1242                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1248                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1254                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1260                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Surrogate: Decachlorobiphenyl (45-120%) |          |         |     |    | 73 % |   |          |          |  |

### Sample ID: ISG2199-10 (ISWC0060 S001 - Soil)

|   |          |         |     |    |      |   |          |          |  |
|---|----------|---------|-----|----|------|---|----------|----------|--|
| Reporting Units: ug/kg                  |          |         |     |    |      |   |          |          |  |
| Aroclor 1016                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1221                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1232                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1242                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1248                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1254                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Aroclor 1260                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 1 | 07/29/09 | 07/30/09 |  |
| Surrogate: Decachlorobiphenyl (45-120%) |          |         |     |    | 78 % |   |          |          |  |

## TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-19 (ISWC0049 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1254  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Aroclor 1260  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 0.997           | 07/29/09       | 07/30/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 74 %          |                 |                |               |                 |
| <b>Sample ID: ISG2199-20 (ISWC0051 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1254  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1260  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 81 %          |                 |                |               |                 |
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                              |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1221  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1232  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1242  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Aroclor 1248  | EPA 8082 | 9G29006 | 6.7       | 50              | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| <b>Aroclor 1254</b>                                 | EPA 8082 | 9G29006 | 6.7       | 50              | <b>300</b>    | 1               | 07/29/09       | 07/30/09      | A-01b           |
| <b>Aroclor 1260</b>                                 | EPA 8082 | 9G29006 | 6.7       | 50              | <b>270</b>    | 1               | 07/29/09       | 07/30/09      | A-01c, R-1      |
| Surrogate: Decachlorobiphenyl (45-120%)             |          |         |           |                 | 76 %          |                 |                |               |                 |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-22RE1 (ISWC0055 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                                 |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1221   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1232   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1242   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1248   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1254   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Aroclor 1260   | EPA 8082 | 9H04001 | 6.7       | 50              | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)                |          |         |           |                 | 80 %          |                 |                |               |                 |

### Sample ID: ISG2199-23 (ISWC0057 S001 - Soil)

|   |          |         |     |    |      |       |          |          |  |
|---|----------|---------|-----|----|------|-------|----------|----------|--|
| Reporting Units: ug/kg                  |          |         |     |    |      |       |          |          |  |
| Aroclor 1016                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1221                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1232                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1242                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1248                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1254                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1260                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Surrogate: Decachlorobiphenyl (45-120%) |          |         |     |    | 70 % |       |          |          |  |

### Sample ID: ISG2199-24 (ISWC0059 S001 - Soil)

|   |          |         |     |    |      |       |          |          |  |
|---|----------|---------|-----|----|------|-------|----------|----------|--|
| Reporting Units: ug/kg                  |          |         |     |    |      |       |          |          |  |
| Aroclor 1016                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1221                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1232                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1242                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1248                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1254                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Aroclor 1260                            | EPA 8082 | 9G29006 | 6.7 | 50 | ND   | 0.997 | 07/29/09 | 07/30/09 |  |
| Surrogate: Decachlorobiphenyl (45-120%) |          |         |     |    | 76 % |       |          |          |  |

## TestAmerica Irvine

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Project Manager



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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01 (ISWC0062 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>4.9</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>59</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.33</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>1.9</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>21</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>3.7</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>16</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>24</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.79</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>11</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/30/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>29</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>160</b>    | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-02 (ISWC0064 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | <b>2.2</b>  | 1 | 07/29/09 | 07/29/09 | J |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>8.0</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>87</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.47</b> | 1 | 07/29/09 | 07/29/09 | J |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>4.5</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>55</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>5.1</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>85</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>99</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>7.9</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>24</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>2.4</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>33</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>350</b>  | 1 | 07/29/09 | 07/29/09 |   |

### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | 1.4           | 1               | 07/29/09       | 07/29/09      | J               |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | 4.0           | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | 96            | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | 0.57          | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | 5.1           | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 51            | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 4.9           | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | 48            | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | 82            | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | 2.6           | 1               | 07/29/09       | 07/29/09      |                 |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | 25            | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | 1.9           | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 29            | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | 980           | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-04 (ISWC0068 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | 3.9  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | 59   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | 0.58 | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | 1.1  | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | 24   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | 4.6  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | 15   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | 8.2  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | 14   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | 0.82 | 1 | 07/29/09 | 07/29/09 | J |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | 32   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | 120  | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-05 (ISWC0050 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>6.6</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>69</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.61</b>   | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>21</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>5.9</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>22</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>11</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.32</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>14</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>35</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>63</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-06 (ISWC0052 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>7.1</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>77</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.55</b> | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.57</b> | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>24</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>6.9</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>32</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>37</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>0.29</b> | 1 | 07/29/09 | 07/29/09 | J |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>18</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>38</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>86</b>   | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>5.9</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>79</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.62</b>   | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>1.7</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>36</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>8.5</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>34</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>200</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.84</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>21</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>36</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>180</b>    | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-08 (ISWC0056 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>6.0</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>73</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.47</b> | 1 | 07/29/09 | 07/29/09 | J |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>22</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>6.4</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>15</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>6.5</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>15</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>39</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>57</b>   | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>6.7</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>74</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.57</b>   | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.34</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>28</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>7.7</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>18</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>52</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.56</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>19</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | <b>1.2</b>    | 1               | 07/29/09       | 07/29/09      | J               |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>38</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>92</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-10 (ISWC0060 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>5.4</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>68</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.55</b> | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>21</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>6.3</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>13</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>8.1</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>13</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>36</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>61</b>   | 1 | 07/29/09 | 07/29/09 |   |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>4.2</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>52</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.55</b>   | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>26</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>7.7</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>21</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>4.3</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.46</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>17</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>35</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>40</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-12 (ISWC0072 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>4.0</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>84</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.49</b> | 1 | 07/29/09 | 07/29/09 | J |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>21</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>5.1</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>8.1</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>6.6</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>15</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>33</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>46</b>   | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>3.8</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>72</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.47</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>18</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>4.8</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>8.4</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>6.3</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.20</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>12</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>28</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>44</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-14 (ISWC0076 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>3.7</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>66</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.54</b> | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>20</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>5.3</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>10</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>17</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>13</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>33</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>57</b>   | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | <b>3.6</b>    | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | <b>54</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>0.39</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | <b>1.1</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>20</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>4.5</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | <b>12</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | <b>18</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>0.71</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | <b>11</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | <b>26</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | <b>350</b>    | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-16 (ISWC0063 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | <b>3.0</b>  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | <b>61</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.48</b> | 1 | 07/29/09 | 07/29/09 | J |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | <b>0.22</b> | 1 | 07/29/09 | 07/29/09 | J |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>22</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>4.4</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | <b>8.3</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | <b>5.6</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | <b>11</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | <b>30</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | <b>57</b>   | 1 | 07/29/09 | 07/29/09 |   |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29071 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29071 | 0.81      | 2.0             | 2.7           | 1               | 07/29/09       | 07/29/09      | B               |
| Barium  | EPA 6010B | 9G29071 | 0.80      | 1.0             | 77            | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | 0.32          | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29071 | 0.20      | 0.50            | 2.0           | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 40            | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 3.4           | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29071 | 0.38      | 2.0             | 13            | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29071 | 0.40      | 2.0             | 21            | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29071 | 0.20      | 2.0             | 0.41          | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29071 | 0.20      | 2.0             | 12            | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29071 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29071 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29071 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29071 | 0.30      | 1.0             | 27            | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29071 | 0.75      | 5.0             | 440           | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29071 | 0.88 | 10   | 5.6  | 1 | 07/29/09 | 07/29/09 | J |
| Arsenic    | EPA 6010B | 9G29071 | 0.81 | 2.0  | 3.1  | 1 | 07/29/09 | 07/29/09 | B |
| Barium     | EPA 6010B | 9G29071 | 0.80 | 1.0  | 110  | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29071 | 0.20 | 0.50 | 0.52 | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29071 | 0.20 | 0.50 | 4.7  | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | 44   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29071 | 0.30 | 1.0  | 5.4  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29071 | 0.38 | 2.0  | 30   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29071 | 0.40 | 2.0  | 87   | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29071 | 0.20 | 2.0  | 2.7  | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29071 | 0.20 | 2.0  | 22   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29071 | 1.0  | 2.0  | 1.6  | 1 | 07/29/09 | 07/29/09 | J |
| Silver     | EPA 6010B | 9G29071 | 0.80 | 1.0  | 0.82 | 1 | 07/29/09 | 07/29/09 | J |
| Thallium   | EPA 6010B | 9G29071 | 0.80 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29071 | 0.30 | 1.0  | 27   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29071 | 0.75 | 5.0  | 950  | 1 | 07/29/09 | 07/29/09 |   |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-19 (ISWC0049 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      | M2              |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | 5.5           | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | 77            | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | 0.50          | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 21            | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 6.3           | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | 15            | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | 8.0           | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | 14            | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | 1.2           | 1               | 07/29/09       | 07/29/09      | J               |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 36            | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | 70            | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-20 (ISWC0051 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29072 | 0.88 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29072 | 0.81 | 2.0  | 6.8  | 1 | 07/29/09 | 07/29/09 |   |
| Barium     | EPA 6010B | 9G29072 | 0.80 | 1.0  | 78   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29072 | 0.20 | 0.50 | 0.55 | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29072 | 0.20 | 0.50 | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Chromium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | 23   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29072 | 0.30 | 1.0  | 7.3  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29072 | 0.38 | 2.0  | 15   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29072 | 0.40 | 2.0  | 9.3  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29072 | 0.20 | 2.0  | 0.33 | 1 | 07/29/09 | 07/29/09 | J |
| Nickel     | EPA 6010B | 9G29072 | 0.20 | 2.0  | 15   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29072 | 1.0  | 2.0  | 1.6  | 1 | 07/29/09 | 07/29/09 | J |
| Silver     | EPA 6010B | 9G29072 | 0.80 | 1.0  | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29072 | 0.80 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | 39   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29072 | 0.75 | 5.0  | 60   | 1 | 07/29/09 | 07/29/09 |   |

TestAmerica Irvine

Joseph Doak  
Project Manager

The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | 5.7           | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | 79            | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | 0.46          | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | 1.7           | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 40            | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 6.8           | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | 58            | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | 160           | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | 1.6           | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | 24            | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | 0.96          | 1               | 07/29/09       | 07/29/09      | J               |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | 35            | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | 180           | 1               | 07/29/09       | 07/29/09      |                 |

## Sample ID: ISG2199-22 (ISWC0055 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29072 | 0.88 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29072 | 0.81 | 2.0  | 6.8  | 1 | 07/29/09 | 07/29/09 |   |
| Barium     | EPA 6010B | 9G29072 | 0.80 | 1.0  | 77   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29072 | 0.20 | 0.50 | 0.54 | 1 | 07/29/09 | 07/29/09 |   |
| Cadmium    | EPA 6010B | 9G29072 | 0.20 | 0.50 | 0.39 | 1 | 07/29/09 | 07/29/09 | J |
| Chromium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | 33   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29072 | 0.30 | 1.0  | 6.7  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29072 | 0.38 | 2.0  | 22   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29072 | 0.40 | 2.0  | 42   | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29072 | 0.20 | 2.0  | 0.68 | 1 | 07/29/09 | 07/29/09 | J |
| Nickel     | EPA 6010B | 9G29072 | 0.20 | 2.0  | 25   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29072 | 1.0  | 2.0  | 1.7  | 1 | 07/29/09 | 07/29/09 | J |
| Silver     | EPA 6010B | 9G29072 | 0.80 | 1.0  | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29072 | 0.80 | 10   | ND   | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | 38   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29072 | 0.75 | 5.0  | 93   | 1 | 07/29/09 | 07/29/09 |   |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-23 (ISWC0057 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | <b>6.5</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | <b>87</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.57</b>   | 1               | 07/29/09       | 07/29/09      |                 |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>27</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>7.0</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | <b>17</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | <b>16</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>0.44</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>17</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>41</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | <b>70</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| <b>Sample ID: ISG2199-24 (ISWC0059 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | <b>6.0</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | <b>77</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.49</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.24</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>25</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>6.4</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | <b>15</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | <b>11</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>0.33</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>15</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>40</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | <b>83</b>     | 1               | 07/29/09       | 07/29/09      |                 |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | <b>20</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | <b>57</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.44</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>16</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>4.1</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | <b>7.3</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | <b>19</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>10</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>25</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | <b>53</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-26 (ISWC0071 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G29072 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Arsenic    | EPA 6010B | 9G29072 | 0.81 | 2.0  | <b>3.9</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Barium     | EPA 6010B | 9G29072 | 0.80 | 1.0  | <b>69</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Beryllium  | EPA 6010B | 9G29072 | 0.20 | 0.50 | <b>0.48</b> | 1 | 07/29/09 | 07/29/09 | J |
| Cadmium    | EPA 6010B | 9G29072 | 0.20 | 0.50 | <b>0.33</b> | 1 | 07/29/09 | 07/29/09 | J |
| Chromium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>23</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Cobalt     | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>5.0</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Copper     | EPA 6010B | 9G29072 | 0.38 | 2.0  | <b>11</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Lead       | EPA 6010B | 9G29072 | 0.40 | 2.0  | <b>5.5</b>  | 1 | 07/29/09 | 07/29/09 |   |
| Molybdenum | EPA 6010B | 9G29072 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Nickel     | EPA 6010B | 9G29072 | 0.20 | 2.0  | <b>14</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Selenium   | EPA 6010B | 9G29072 | 1.0  | 2.0  | <b>1.6</b>  | 1 | 07/29/09 | 07/29/09 | J |
| Silver     | EPA 6010B | 9G29072 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Thallium   | EPA 6010B | 9G29072 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |   |
| Vanadium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>33</b>   | 1 | 07/29/09 | 07/29/09 |   |
| Zinc       | EPA 6010B | 9G29072 | 0.75 | 5.0  | <b>63</b>   | 1 | 07/29/09 | 07/29/09 |   |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |           |         |           |                 |               |                 |                |               |                 |
| Antimony  | EPA 6010B | 9G29072 | 0.88      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Arsenic   | EPA 6010B | 9G29072 | 0.81      | 2.0             | <b>4.0</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Barium  | EPA 6010B | 9G29072 | 0.80      | 1.0             | <b>76</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Beryllium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.48</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Cadmium   | EPA 6010B | 9G29072 | 0.20      | 0.50            | <b>0.29</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Chromium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>21</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Cobalt  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>5.3</b>    | 1               | 07/29/09       | 07/29/09      |                 |
| Copper  | EPA 6010B | 9G29072 | 0.38      | 2.0             | <b>10</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Lead  | EPA 6010B | 9G29072 | 0.40      | 2.0             | <b>15</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Molybdenum  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>0.32</b>   | 1               | 07/29/09       | 07/29/09      | J               |
| Nickel  | EPA 6010B | 9G29072 | 0.20      | 2.0             | <b>14</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Selenium  | EPA 6010B | 9G29072 | 1.0       | 2.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Silver  | EPA 6010B | 9G29072 | 0.80      | 1.0             | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Thallium  | EPA 6010B | 9G29072 | 0.80      | 10              | ND            | 1               | 07/29/09       | 07/29/09      |                 |
| Vanadium  | EPA 6010B | 9G29072 | 0.30      | 1.0             | <b>32</b>     | 1               | 07/29/09       | 07/29/09      |                 |
| Zinc  | EPA 6010B | 9G29072 | 0.75      | 5.0             | <b>82</b>     | 1               | 07/29/09       | 07/29/09      |                 |

### Sample ID: ISG2199-28 (ISWC0075 S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9G29072 | 0.88 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Arsenic    | EPA 6010B | 9G29072 | 0.81 | 2.0  | <b>4.5</b>  | 1 | 07/29/09 | 07/29/09 |  |
| Barium     | EPA 6010B | 9G29072 | 0.80 | 1.0  | <b>75</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Beryllium  | EPA 6010B | 9G29072 | 0.20 | 0.50 | <b>0.54</b> | 1 | 07/29/09 | 07/29/09 |  |
| Cadmium    | EPA 6010B | 9G29072 | 0.20 | 0.50 | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Chromium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>28</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Cobalt     | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>5.4</b>  | 1 | 07/29/09 | 07/29/09 |  |
| Copper     | EPA 6010B | 9G29072 | 0.38 | 2.0  | <b>10</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Lead       | EPA 6010B | 9G29072 | 0.40 | 2.0  | <b>23</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Molybdenum | EPA 6010B | 9G29072 | 0.20 | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Nickel     | EPA 6010B | 9G29072 | 0.20 | 2.0  | <b>14</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Selenium   | EPA 6010B | 9G29072 | 1.0  | 2.0  | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Silver     | EPA 6010B | 9G29072 | 0.80 | 1.0  | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Thallium   | EPA 6010B | 9G29072 | 0.80 | 10   | ND          | 1 | 07/29/09 | 07/29/09 |  |
| Vanadium   | EPA 6010B | 9G29072 | 0.30 | 1.0  | <b>34</b>   | 1 | 07/29/09 | 07/29/09 |  |
| Zinc       | EPA 6010B | 9G29072 | 0.75 | 5.0  | <b>66</b>   | 1 | 07/29/09 | 07/29/09 |  |

### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SW846 7471A

| Analyte   | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-01 (ISWC0062 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.15</b>   | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-02 (ISWC0064 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.082</b>  | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.14</b>   | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-04 (ISWC0068 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.01</b>   | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-05 (ISWC0050 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.014</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-06 (ISWC0052 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.33</b>   | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.3</b>    | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-08 (ISWC0056 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | ND            | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.022</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-10 (ISWC0060 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.017</b>  | 1               | 07/31/09       | 07/31/09      | J               |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SW846 7471A

| Analyte   | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-11 (ISWC0070 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.0073</b> | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-12 (ISWC0072 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | ND            | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-13 (ISWC0074 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.012</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-14 (ISWC0076 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211372 | 0.0055    | 0.033           | <b>0.0087</b> | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-15 (ISWC0061 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.0092</b> | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-16 (ISWC0063 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | ND            | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-17 (ISWC0065 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.1</b>    | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.02</b>   | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-19 (ISWC0049 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.0078</b> | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-20 (ISWC0051 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.007</b>  | 1               | 07/31/09       | 07/31/09      | J               |

### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## SW846 7471A

| Analyte   | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.48</b>   | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-22 (ISWC0055 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.038</b>  | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-23 (ISWC0057 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.01</b>   | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-24 (ISWC0059 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.016</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-25 (ISWC0069 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | ND            | 1               | 07/31/09       | 07/31/09      |                 |
| <b>Sample ID: ISG2199-26 (ISWC0071 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.019</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-27 (ISWC0073 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.015</b>  | 1               | 07/31/09       | 07/31/09      | J               |
| <b>Sample ID: ISG2199-28 (ISWC0075 S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                              |             |         |           |                 |               |                 |                |               |                 |
| Mercury   | SW846 7471A | 9211376 | 0.0055    | 0.033           | <b>0.017</b>  | 1               | 07/31/09       | 07/31/09      | J               |

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Project ID: ISRA HV Waste Characterization  
 ELV  
 Report Number: ISG2199

Sampled: 07/28/09  
 Received: 07/28/09

## TCLP METALS

| Analyte   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | TCLP Limit | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---------|-----------|-----------------|---------------|-----------------|------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H09017 | 0.040     | 0.10            | <b>0.35</b>   | 1               | 5.0        | 8/9/2009       | 8/10/2009     |                 |
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H09017 | 0.040     | 0.10            | <b>0.28</b>   | 1               | 5.0        | 8/9/2009       | 8/10/2009     |                 |

**TestAmerica Irvine**

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Project ID: ISRA HV Waste Characterization  
 ELV  
 Report Number: ISG2199

Sampled: 07/28/09  
 Received: 07/28/09

## STLC METALS

| Analyte   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | STLC Limit | Date Extracted | Date Analyzed | Data Qualifiers |
|---|---------|-----------|-----------------|---------------|-----------------|------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2199-02 (ISWC0064 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Chromium  | 9H12087 | 0.040     | 0.10            | <b>0.45</b>   | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>1.8</b>    | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Chromium  | 9H12087 | 0.040     | 0.10            | <b>0.66</b>   | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>3.6</b>    | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>10</b>     | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>0.83</b>   | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>1.8</b>    | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |         |           |                 |               |                 |            |                |               |                 |
| Reporting Units: mg/l                               |         |           |                 |               |                 |            |                |               |                 |
| Lead  | 9H12087 | 0.080     | 0.10            | <b>12</b>     | 1               | 5.0        | 8/12/2009      | 8/12/2009     |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

| Analyte   | Method   | Batch   | Extraction Start Date | Extraction End Date | Data Qualifiers |
|---|----------|---------|-----------------------|---------------------|-----------------|
| <b>Sample ID: ISG2199-02 (ISWC0064 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |
| <b>Sample ID: ISG2199-03 (ISWC0066 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |
| <b>Sample ID: ISG2199-09 (ISWC0058 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |
| <b>Sample ID: ISG2199-18 (ISWC0067 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |          |         |                       |                     |                 |
| Extraction  | STLC-Met | 9H09019 | 8/9/2009              | 8/11/2009           |                 |

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Sampled: 07/28/09  
Received: 07/28/09

## TCLP EXTRACTION - Metals

| Analyte   | Method       | Batch   | Extraction Start Date | Extraction End Date | Data Qualifiers |
|---|--------------|---------|-----------------------|---------------------|-----------------|
| <b>Sample ID: ISG2199-07 (ISWC0054 S001 - Soil)</b> |              |         |                       |                     |                 |
| Extraction  | EPA 1311-Met | 9H08035 | 8/8/2009              | 8/9/2009            |                 |
| <b>Sample ID: ISG2199-21 (ISWC0053 S001 - Soil)</b> |              |         |                       |                     |                 |
| Extraction  | EPA 1311-Met | 9H08035 | 8/8/2009              | 8/9/2009            |                 |

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**ISG2199 <Page 117 of 190>**

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Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-01 (ISWC0062 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 4.9           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 59            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.33          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 1.9           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 21            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 3.7           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 16            | 25                            | 2500                           |                               |
| Lead   | mg/kg        | 24            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 0.79          | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 11            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 29            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 160           | 250                           | 5000                           |                               |
| <b>ISG2199-02 (ISWC0064 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | 2.2           | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 8.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 87            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.47          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 4.5           | 1.0                           | 100                            | 1.0                           |
| <b>Chromium</b>                                    | <b>mg/kg</b> | <b>55</b>     | <b>5.0</b>                    | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 5.1           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 85            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>99</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 7.9           | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 24            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | 2.4           | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 33            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 350           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

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Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-03 (ISWC0066 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | 1.4           | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 4.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 96            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.57          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 5.1           | 1.0                           | 100                            | 1.0                           |
| <b>Chromium</b>                                    | <b>mg/kg</b> | <b>51</b>     | <b>5.0</b>                    | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 4.9           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 48            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>82</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 2.6           | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 25            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | 1.9           | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 29            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 980           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

## ISG2199-04 (ISWC0068 S001 - Soil) EPA 6010B

|            |       |      |      |       |     |
|------------|-------|------|------|-------|-----|
| Antimony   | mg/kg | ND   | 15   | 500   |     |
| Arsenic    | mg/kg | 3.9  | 5.0  | 500   | 5.0 |
| Barium     | mg/kg | 59   | 100  | 10000 | 100 |
| Beryllium  | mg/kg | 0.58 | 0.75 | 75    |     |
| Cadmium    | mg/kg | 1.1  | 1.0  | 100   | 1.0 |
| Chromium   | mg/kg | 24   | 5.0  | 2500  | 5.0 |
| Cobalt     | mg/kg | 4.6  | 80   | 8000  |     |
| Copper     | mg/kg | 15   | 25   | 2500  |     |
| Lead       | mg/kg | 8.2  | 5.0  | 1000  | 5.0 |
| Molybdenum | mg/kg | ND   | 350  | 3500  |     |
| Nickel     | mg/kg | 14   | 20   | 2000  |     |
| Selenium   | mg/kg | ND   | 1.0  | 100   | 1.0 |
| Silver     | mg/kg | 0.82 | 5.0  | 500   | 5.0 |
| Thallium   | mg/kg | ND   | 7.0  | 700   |     |
| Vanadium   | mg/kg | 32   | 24   | 2400  |     |
| Zinc       | mg/kg | 120  | 250  | 5000  |     |

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-05 (ISWC0050 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 6.6           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 69            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.61          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 21            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.9           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 22            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 11            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.32          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 35            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 63            | 250                           | 5000                           |                               |
| <b>ISG2199-06 (ISWC0052 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 7.1           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 77            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.55          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.57          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 24            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 6.9           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 32            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 37            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.29          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 18            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 38            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 86            | 250                           | 5000                           |                               |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-07 (ISWC0054 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 5.9           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 79            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.62          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 1.7           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 36            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 8.5           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 34            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>200</b>    | <b>5.0</b>                    | 1000                           | <b>5.0</b>                    |
| Molybdenum   | mg/kg        | 0.84          | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 21            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 36            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 180           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

|  |       |      |      |       |     |
|--|-------|------|------|-------|-----|
| <b>ISG2199-08 (ISWC0056 S001 - Soil) EPA 6010B</b> |       |      |      |       |     |
| Antimony   | mg/kg | ND   | 15   | 500   |     |
| Arsenic  | mg/kg | 6.0  | 5.0  | 500   | 5.0 |
| Barium   | mg/kg | 73   | 100  | 10000 | 100 |
| Beryllium  | mg/kg | 0.47 | 0.75 | 75    |     |
| Cadmium  | mg/kg | ND   | 1.0  | 100   | 1.0 |
| Chromium   | mg/kg | 22   | 5.0  | 2500  | 5.0 |
| Cobalt   | mg/kg | 6.4  | 80   | 8000  |     |
| Copper   | mg/kg | 15   | 25   | 2500  |     |
| Lead   | mg/kg | 6.5  | 5.0  | 1000  | 5.0 |
| Molybdenum   | mg/kg | ND   | 350  | 3500  |     |
| Nickel   | mg/kg | 15   | 20   | 2000  |     |
| Selenium   | mg/kg | ND   | 1.0  | 100   | 1.0 |
| Silver   | mg/kg | ND   | 5.0  | 500   | 5.0 |
| Thallium   | mg/kg | ND   | 7.0  | 700   |     |
| Vanadium   | mg/kg | 39   | 24   | 2400  |     |
| Zinc   | mg/kg | 57   | 250  | 5000  |     |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-09 (ISWC0058 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 6.7           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 74            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.57          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 0.34          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 7.7           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 18            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>52</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 0.56          | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 19            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | 1.2           | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 38            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 92            | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

## ISG2199-10 (ISWC0060 S001 - Soil) EPA 6010B

|            |       |      |      |       |     |
|------------|-------|------|------|-------|-----|
| Antimony   | mg/kg | ND   | 15   | 500   |     |
| Arsenic    | mg/kg | 5.4  | 5.0  | 500   | 5.0 |
| Barium     | mg/kg | 68   | 100  | 10000 | 100 |
| Beryllium  | mg/kg | 0.55 | 0.75 | 75    |     |
| Cadmium    | mg/kg | ND   | 1.0  | 100   | 1.0 |
| Chromium   | mg/kg | 21   | 5.0  | 2500  | 5.0 |
| Cobalt     | mg/kg | 6.3  | 80   | 8000  |     |
| Copper     | mg/kg | 13   | 25   | 2500  |     |
| Lead       | mg/kg | 8.1  | 5.0  | 1000  | 5.0 |
| Molybdenum | mg/kg | ND   | 350  | 3500  |     |
| Nickel     | mg/kg | 13   | 20   | 2000  |     |
| Selenium   | mg/kg | ND   | 1.0  | 100   | 1.0 |
| Silver     | mg/kg | ND   | 5.0  | 500   | 5.0 |
| Thallium   | mg/kg | ND   | 7.0  | 700   |     |
| Vanadium   | mg/kg | 36   | 24   | 2400  |     |
| Zinc       | mg/kg | 61   | 250  | 5000  |     |

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Project Manager

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The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-11 (ISWC0070 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 4.2           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 52            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.55          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 26            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 7.7           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 21            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 4.3           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.46          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 17            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 35            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 40            | 250                           | 5000                           |                               |
| <b>ISG2199-12 (ISWC0072 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 4.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 84            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.49          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 21            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.1           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 8.1           | 25                            | 2500                           |                               |
| Lead   | mg/kg | 6.6           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 15            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 33            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 46            | 250                           | 5000                           |                               |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-13 (ISWC0074 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 3.8           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 72            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.47          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 18            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 4.8           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 8.4           | 25                            | 2500                           |                               |
| Lead   | mg/kg | 6.3           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.20          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 12            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 28            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 44            | 250                           | 5000                           |                               |
| <b>ISG2199-14 (ISWC0076 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 3.7           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 66            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.54          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 20            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.3           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 10            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 17            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 13            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 33            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 57            | 250                           | 5000                           |                               |

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-15 (ISWC0061 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 3.6           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 54            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.39          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 1.1           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 20            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 4.5           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 12            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 18            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.71          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 11            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 26            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 350           | 250                           | 5000                           |                               |
| <b>ISG2199-16 (ISWC0063 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 3.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 61            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.48          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.22          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 22            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 4.4           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 8.3           | 25                            | 2500                           |                               |
| Lead   | mg/kg | 5.6           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 11            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 30            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 57            | 250                           | 5000                           |                               |

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Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-17 (ISWC0065 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 2.7           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 77            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.32          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 2.0           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 40            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 3.4           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 13            | 25                            | 2500                           |                               |
| Lead   | mg/kg        | 21            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 0.41          | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 12            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 27            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 440           | 250                           | 5000                           |                               |
| <b>ISG2199-18 (ISWC0067 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | 5.6           | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 3.1           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 110           | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.52          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 4.7           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 44            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 5.4           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 30            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>87</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum   | mg/kg        | 2.7           | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 22            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | 1.6           | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | 0.82          | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 27            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 950           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-19 (ISWC0049 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 5.5           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 77            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.50          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 21            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 6.3           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 8.0           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | 1.2           | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 36            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 70            | 250                           | 5000                           |                               |
| <b>ISG2199-20 (ISWC0051 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 6.8           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 78            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.55          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 23            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 7.3           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 9.3           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.33          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 15            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | 1.6           | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 39            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 60            | 250                           | 5000                           |                               |

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ELV  
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Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-21 (ISWC0053 S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony   | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg        | 5.7           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg        | 79            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg        | 0.46          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg        | 1.7           | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg        | 40            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg        | 6.8           | 80                            | 8000                           |                               |
| Copper   | mg/kg        | 58            | 25                            | 2500                           |                               |
| <b>Lead</b>  | <b>mg/kg</b> | <b>160</b>    | <b>5.0</b>                    | 1000                           | <b>5.0</b>                    |
| Molybdenum   | mg/kg        | 1.6           | 350                           | 3500                           |                               |
| Nickel   | mg/kg        | 24            | 20                            | 2000                           |                               |
| Selenium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg        | 0.96          | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg        | 35            | 24                            | 2400                           |                               |
| Zinc   | mg/kg        | 180           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

|  |       |      |      |       |     |
|--|-------|------|------|-------|-----|
| <b>ISG2199-22 (ISWC0055 S001 - Soil) EPA 6010B</b> |       |      |      |       |     |
| Antimony   | mg/kg | ND   | 15   | 500   |     |
| Arsenic  | mg/kg | 6.8  | 5.0  | 500   | 5.0 |
| Barium   | mg/kg | 77   | 100  | 10000 | 100 |
| Beryllium  | mg/kg | 0.54 | 0.75 | 75    |     |
| Cadmium  | mg/kg | 0.39 | 1.0  | 100   | 1.0 |
| Chromium   | mg/kg | 33   | 5.0  | 2500  | 5.0 |
| Cobalt   | mg/kg | 6.7  | 80   | 8000  |     |
| Copper   | mg/kg | 22   | 25   | 2500  |     |
| Lead   | mg/kg | 42   | 5.0  | 1000  | 5.0 |
| Molybdenum   | mg/kg | 0.68 | 350  | 3500  |     |
| Nickel   | mg/kg | 25   | 20   | 2000  |     |
| Selenium   | mg/kg | 1.7  | 1.0  | 100   | 1.0 |
| Silver   | mg/kg | ND   | 5.0  | 500   | 5.0 |
| Thallium   | mg/kg | ND   | 7.0  | 700   |     |
| Vanadium   | mg/kg | 38   | 24   | 2400  |     |
| Zinc   | mg/kg | 93   | 250  | 5000  |     |

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ELV  
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Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-23 (ISWC0057 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 6.5           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 87            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.57          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 27            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 7.0           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 17            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 16            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.44          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 17            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 41            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 70            | 250                           | 5000                           |                               |
| <b>ISG2199-24 (ISWC0059 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 6.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 77            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.49          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.24          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 25            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 6.4           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 11            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.33          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 15            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 40            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 83            | 250                           | 5000                           |                               |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-25 (ISWC0069 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 20            | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 57            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.44          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 16            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 4.1           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 7.3           | 25                            | 2500                           |                               |
| Lead   | mg/kg | 19            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 10            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 25            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 53            | 250                           | 5000                           |                               |
| <b>ISG2199-26 (ISWC0071 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 3.9           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 69            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.48          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.33          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 23            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.0           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 11            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 5.5           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | 1.6           | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 33            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 63            | 250                           | 5000                           |                               |

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
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Sampled: 07/28/09  
Received: 07/28/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2199-27 (ISWC0073 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 4.0           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 76            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.48          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.29          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 21            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.3           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 10            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 15            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | 0.32          | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 32            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 82            | 250                           | 5000                           |                               |
| <b>ISG2199-28 (ISWC0075 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 4.5           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 75            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.54          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 5.4           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 10            | 25                            | 2500                           |                               |
| Lead   | mg/kg | 23            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium   | mg/kg | 34            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 66            | 250                           | 5000                           |                               |

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Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/29/2009 (9G29035-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Acetone  | ND     | 10              | 8.0  | ug/kg |             |               |           |             |         |           |                 |
| Benzene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromobenzene                                     | ND     | 2.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| Bromochloromethane                               | ND     | 2.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| Bromodichloromethane                             | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromoform  | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Bromomethane                                     | ND     | 2.0             | 0.92 | ug/kg |             |               |           |             |         |           |                 |
| 2-Butanone (MEK)                                 | ND     | 10              | 6.0  | ug/kg |             |               |           |             |         |           |                 |
| n-Butylbenzene                                   | ND     | 2.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| sec-Butylbenzene                                 | ND     | 2.0             | 0.67 | ug/kg |             |               |           |             |         |           |                 |
| tert-Butylbenzene                                | ND     | 2.0             | 0.62 | ug/kg |             |               |           |             |         |           |                 |
| Carbon Disulfide                                 | ND     | 5.0             | 0.97 | ug/kg |             |               |           |             |         |           |                 |
| Carbon tetrachloride                             | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chlorobenzene                                    | ND     | 1.0             | 0.52 | ug/kg |             |               |           |             |         |           |                 |
| Chloroethane                                     | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Chloroform                                       | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chloromethane                                    | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorotoluene                                  | ND     | 2.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/29/2009 (9G29035-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | 1.24   | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           | J               |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |         |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |         |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |         |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Xylenes, Total                                   | ND     | 4.0             | 1.3  | ug/kg |             |               |           |             |         |           |                 |
| Di-isopropyl Ether (DIPE)                        | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                    | ND     | 2.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| tert-Amyl Methyl Ether (TAME)                    | ND     | 2.0             | 0.64 | ug/kg |             |               |           |             |         |           |                 |

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>        |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 07/29/2009 (9G29035-BLK1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| tert-Butanol (TBA)                               | ND     | 50              | 10   | ug/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 48.1   |                 |      | ug/kg | 50.0        |               | 96        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                  | 47.6   |                 |      | ug/kg | 50.0        |               | 95        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                            | 52.5   |                 |      | ug/kg | 50.0        |               | 105       | 80-120      |     |           |                 |
| <b>LCS Analyzed: 07/29/2009 (9G29035-BS1)</b>    |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 40.3   | 10              | 8.0  | ug/kg | 50.0        |               | 81        | 25-145      |     |           | MNR1            |
| Benzene  | 51.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 103       | 65-120      |     |           |                 |
| Bromobenzene                                     | 55.7   | 2.0             | 0.84 | ug/kg | 50.0        |               | 111       | 75-120      |     |           |                 |
| Bromochloromethane                               | 54.0   | 2.0             | 0.90 | ug/kg | 50.0        |               | 108       | 70-135      |     |           |                 |
| Bromodichloromethane                             | 53.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 107       | 70-135      |     |           |                 |
| Bromoform  | 50.7   | 2.0             | 0.80 | ug/kg | 50.0        |               | 101       | 55-135      |     |           |                 |
| Bromomethane                                     | 55.0   | 2.0             | 0.92 | ug/kg | 50.0        |               | 110       | 60-145      |     |           |                 |
| 2-Butanone (MEK)                                 | 44.2   | 10              | 6.0  | ug/kg | 50.0        |               | 88        | 40-145      |     |           |                 |
| n-Butylbenzene                                   | 54.5   | 2.0             | 0.72 | ug/kg | 50.0        |               | 109       | 70-130      |     |           |                 |
| sec-Butylbenzene                                 | 56.0   | 2.0             | 0.67 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| tert-Butylbenzene                                | 54.6   | 2.0             | 0.62 | ug/kg | 50.0        |               | 109       | 70-125      |     |           |                 |
| Carbon Disulfide                                 | 49.8   | 5.0             | 0.97 | ug/kg | 50.0        |               | 100       | 50-130      |     |           |                 |
| Carbon tetrachloride                             | 52.5   | 2.0             | 0.50 | ug/kg | 50.0        |               | 105       | 65-140      |     |           |                 |
| Chlorobenzene                                    | 54.0   | 1.0             | 0.52 | ug/kg | 50.0        |               | 108       | 75-120      |     |           |                 |
| Chloroethane                                     | 56.5   | 2.0             | 1.5  | ug/kg | 50.0        |               | 113       | 60-140      |     |           |                 |
| Chloroform                                       | 48.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 97        | 70-130      |     |           |                 |
| Chloromethane                                    | 54.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 108       | 45-145      |     |           |                 |
| 2-Chlorotoluene                                  | 51.3   | 2.0             | 0.87 | ug/kg | 50.0        |               | 103       | 70-125      |     |           |                 |
| 4-Chlorotoluene                                  | 52.8   | 2.0             | 0.74 | ug/kg | 50.0        |               | 106       | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                      | 48.2   | 10              | 1.5  | ug/kg | 50.0        |               | 96        | 50-135      |     |           |                 |
| Dibromochloromethane                             | 51.1   | 1.0             | 0.70 | ug/kg | 50.0        |               | 102       | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                          | 54.4   | 1.0             | 0.80 | ug/kg | 50.0        |               | 109       | 70-130      |     |           |                 |
| Dibromomethane                                   | 53.2   | 1.0             | 0.90 | ug/kg | 50.0        |               | 106       | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                              | 55.2   | 1.0             | 0.95 | ug/kg | 50.0        |               | 110       | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                              | 54.9   | 1.0             | 0.84 | ug/kg | 50.0        |               | 110       | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                              | 54.2   | 1.0             | 0.94 | ug/kg | 50.0        |               | 108       | 75-120      |     |           |                 |
| Dichlorodifluoromethane                          | 66.2   | 2.0             | 1.5  | ug/kg | 50.0        |               | 132       | 35-160      |     |           |                 |
| 1,1-Dichloroethane                               | 46.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 93        | 70-130      |     |           |                 |
| 1,2-Dichloroethane                               | 49.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 99        | 60-140      |     |           |                 |
| 1,1-Dichloroethene                               | 52.9   | 2.0             | 0.60 | ug/kg | 50.0        |               | 106       | 70-125      |     |           |                 |

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/29/2009 (9G29035-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,2-Dichloroethene                        | 52.8   | 1.0             | 0.83 | ug/kg | 50.0        |               | 106       | 70-125      |     |           | MNR1            |
| trans-1,2-Dichloroethene                      | 51.0   | 1.0             | 0.70 | ug/kg | 50.0        |               | 102       | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 49.1   | 1.0             | 0.80 | ug/kg | 50.0        |               | 98        | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 52.8   | 1.0             | 0.63 | ug/kg | 50.0        |               | 106       | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 53.0   | 1.0             | 0.60 | ug/kg | 50.0        |               | 106       | 60-145      |     |           |                 |
| cis-1,3-Dichloropropene                       | 63.5   | 1.0             | 0.44 | ug/kg | 50.0        |               | 127       | 75-125      |     |           | L               |
| trans-1,3-Dichloropropene                     | 52.4   | 1.0             | 0.61 | ug/kg | 50.0        |               | 105       | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 53.0   | 1.0             | 0.40 | ug/kg | 50.0        |               | 106       | 70-130      |     |           |                 |
| Ethylbenzene                                  | 54.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 110       | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 51.1   | 2.0             | 0.80 | ug/kg | 50.0        |               | 102       | 60-135      |     |           |                 |
| 2-Hexanone                                    | 51.6   | 10              | 9.1  | ug/kg | 50.0        |               | 103       | 40-150      |     |           |                 |
| Isopropylbenzene                              | 53.7   | 1.0             | 0.54 | ug/kg | 50.0        |               | 107       | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 55.6   | 1.0             | 0.72 | ug/kg | 50.0        |               | 111       | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 53.7   | 5.0             | 4.5  | ug/kg | 50.0        |               | 107       | 40-145      |     |           |                 |
| Methylene chloride                            | 45.3   | 10              | 6.5  | ug/kg | 50.0        |               | 91        | 55-135      |     |           |                 |
| Naphthalene                                   | 63.5   | 2.0             | 1.1  | ug/kg | 50.0        |               | 127       | 55-135      |     |           |                 |
| n-Propylbenzene                               | 55.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 111       | 70-130      |     |           |                 |
| Styrene                                       | 56.4   | 1.0             | 0.58 | ug/kg | 50.0        |               | 113       | 75-130      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                     | 53.2   | 2.0             | 0.57 | ug/kg | 50.0        |               | 106       | 70-130      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                     | 55.7   | 2.0             | 0.86 | ug/kg | 50.0        |               | 111       | 55-140      |     |           |                 |
| Tetrachloroethene                             | 56.0   | 1.0             | 0.49 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| Toluene                                       | 53.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 107       | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                        | 59.9   | 2.0             | 1.0  | ug/kg | 50.0        |               | 120       | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 62.3   | 2.0             | 1.0  | ug/kg | 50.0        |               | 125       | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                         | 47.6   | 1.0             | 0.70 | ug/kg | 50.0        |               | 95        | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                         | 54.5   | 1.0             | 0.87 | ug/kg | 50.0        |               | 109       | 65-135      |     |           |                 |
| Trichloroethene                               | 55.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| Trichlorofluoromethane                        | 48.0   | 2.0             | 0.54 | ug/kg | 50.0        |               | 96        | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                        | 52.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                        | 54.5   | 1.0             | 0.78 | ug/kg | 50.0        |               | 109       | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                        | 53.6   | 1.0             | 0.63 | ug/kg | 50.0        |               | 107       | 70-125      |     |           |                 |
| Vinyl acetate                                 | 59.2   | 5.0             | 2.5  | ug/kg | 50.0        |               | 118       | 45-145      |     |           |                 |
| Vinyl chloride                                | 50.9   | 2.0             | 0.91 | ug/kg | 50.0        |               | 102       | 55-135      |     |           |                 |
| m,p-Xylenes                                   | 117    | 2.0             | 0.80 | ug/kg | 100         |               | 117       | 70-125      |     |           |                 |
| o-Xylene                                      | 56.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 113       | 70-125      |     |           |                 |

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/29/2009 (9G29035-BS1)</b>      |        |                 |      |       |             |               |           |             |     |           |                 |
| Xylenes, Total                                     | 174    | 4.0             | 1.3  | ug/kg | 150         |               | 116       | 70-125      |     |           | MNR1            |
| Di-isopropyl Ether (DIPE)                          | 51.5   | 2.0             | 0.50 | ug/kg | 50.0        |               | 103       | 60-140      |     |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 59.8   | 2.0             | 0.58 | ug/kg | 50.0        |               | 120       | 60-140      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 53.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 106       | 60-140      |     |           |                 |
| tert-Amyl Methyl Ether (TAME)                      | 64.9   | 2.0             | 0.64 | ug/kg | 50.0        |               | 130       | 60-145      |     |           |                 |
| tert-Butanol (TBA)                                 | 275    | 50              | 10   | ug/kg | 250         |               | 110       | 70-135      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                    | 51.4   |                 |      | ug/kg | 50.0        |               | 103       | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 49.1   |                 |      | ug/kg | 50.0        |               | 98        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 51.3   |                 |      | ug/kg | 50.0        |               | 103       | 80-120      |     |           |                 |
| <b>LCS Dup Analyzed: 07/29/2009 (9G29035-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 44.8   | 10              | 8.0  | ug/kg | 50.0        |               | 90        | 25-145      | 11  | 30        |                 |
| Benzene  | 51.3   | 1.0             | 0.50 | ug/kg | 50.0        |               | 103       | 65-120      | 0   | 20        |                 |
| Bromobenzene                                       | 56.7   | 2.0             | 0.84 | ug/kg | 50.0        |               | 113       | 75-120      | 2   | 20        |                 |
| Bromochloromethane                                 | 53.0   | 2.0             | 0.90 | ug/kg | 50.0        |               | 106       | 70-135      | 2   | 20        |                 |
| Bromodichloromethane                               | 53.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-135      | 1   | 20        |                 |
| Bromoform  | 52.2   | 2.0             | 0.80 | ug/kg | 50.0        |               | 104       | 55-135      | 3   | 25        |                 |
| Bromomethane                                       | 55.3   | 2.0             | 0.92 | ug/kg | 50.0        |               | 111       | 60-145      | 1   | 20        |                 |
| 2-Butanone (MEK)                                   | 43.2   | 10              | 6.0  | ug/kg | 50.0        |               | 86        | 40-145      | 2   | 35        |                 |
| n-Butylbenzene                                     | 55.1   | 2.0             | 0.72 | ug/kg | 50.0        |               | 110       | 70-130      | 1   | 20        |                 |
| sec-Butylbenzene                                   | 57.2   | 2.0             | 0.67 | ug/kg | 50.0        |               | 114       | 70-125      | 2   | 20        |                 |
| tert-Butylbenzene                                  | 56.0   | 2.0             | 0.62 | ug/kg | 50.0        |               | 112       | 70-125      | 3   | 20        |                 |
| Carbon Disulfide                                   | 48.7   | 5.0             | 0.97 | ug/kg | 50.0        |               | 97        | 50-130      | 2   | 20        |                 |
| Carbon tetrachloride                               | 52.4   | 2.0             | 0.50 | ug/kg | 50.0        |               | 105       | 65-140      | 0   | 20        |                 |
| Chlorobenzene                                      | 55.0   | 1.0             | 0.52 | ug/kg | 50.0        |               | 110       | 75-120      | 2   | 20        |                 |
| Chloroethane                                       | 47.8   | 2.0             | 1.5  | ug/kg | 50.0        |               | 96        | 60-140      | 17  | 25        |                 |
| Chloroform   | 47.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 94        | 70-130      | 3   | 20        |                 |
| Chloromethane                                      | 50.3   | 2.0             | 1.0  | ug/kg | 50.0        |               | 101       | 45-145      | 7   | 25        |                 |
| 2-Chlorotoluene                                    | 51.7   | 2.0             | 0.87 | ug/kg | 50.0        |               | 103       | 70-125      | 1   | 20        |                 |
| 4-Chlorotoluene                                    | 54.5   | 2.0             | 0.74 | ug/kg | 50.0        |               | 109       | 75-125      | 3   | 20        |                 |
| 1,2-Dibromo-3-chloropropane                        | 48.4   | 10              | 1.5  | ug/kg | 50.0        |               | 97        | 50-135      | 0   | 30        |                 |
| Dibromochloromethane                               | 52.4   | 1.0             | 0.70 | ug/kg | 50.0        |               | 105       | 65-140      | 2   | 20        |                 |
| 1,2-Dibromoethane (EDB)                            | 54.8   | 1.0             | 0.80 | ug/kg | 50.0        |               | 110       | 70-130      | 1   | 20        |                 |
| Dibromomethane                                     | 54.2   | 1.0             | 0.90 | ug/kg | 50.0        |               | 108       | 70-130      | 2   | 20        |                 |
| 1,2-Dichlorobenzene                                | 57.3   | 1.0             | 0.95 | ug/kg | 50.0        |               | 115       | 75-120      | 4   | 20        |                 |
| 1,3-Dichlorobenzene                                | 55.9   | 1.0             | 0.84 | ug/kg | 50.0        |               | 112       | 75-125      | 2   | 20        |                 |

#### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/29/2009 (9G29035-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,4-Dichlorobenzene                                | 55.0   | 1.0             | 0.94 | ug/kg | 50.0        |               | 110       | 75-120      | 2   | 20        |                 |
| Dichlorodifluoromethane                            | 54.7   | 2.0             | 1.5  | ug/kg | 50.0        |               | 109       | 35-160      | 19  | 30        |                 |
| 1,1-Dichloroethane                                 | 46.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 92        | 70-130      | 1   | 20        |                 |
| 1,2-Dichloroethane                                 | 48.7   | 1.0             | 0.80 | ug/kg | 50.0        |               | 97        | 60-140      | 2   | 20        |                 |
| 1,1-Dichloroethene                                 | 50.4   | 2.0             | 0.60 | ug/kg | 50.0        |               | 101       | 70-125      | 5   | 20        |                 |
| cis-1,2-Dichloroethene                             | 52.6   | 1.0             | 0.83 | ug/kg | 50.0        |               | 105       | 70-125      | 0   | 20        |                 |
| trans-1,2-Dichloroethene                           | 50.3   | 1.0             | 0.70 | ug/kg | 50.0        |               | 101       | 70-125      | 1   | 20        |                 |
| 1,2-Dichloropropane                                | 49.5   | 1.0             | 0.80 | ug/kg | 50.0        |               | 99        | 70-130      | 1   | 20        |                 |
| 1,3-Dichloropropane                                | 54.7   | 1.0             | 0.63 | ug/kg | 50.0        |               | 109       | 70-125      | 3   | 20        |                 |
| 2,2-Dichloropropane                                | 52.4   | 1.0             | 0.60 | ug/kg | 50.0        |               | 105       | 60-145      | 1   | 20        |                 |
| cis-1,3-Dichloropropene                            | 63.6   | 1.0             | 0.44 | ug/kg | 50.0        |               | 127       | 75-125      | 0   | 20        | L               |
| trans-1,3-Dichloropropene                          | 51.6   | 1.0             | 0.61 | ug/kg | 50.0        |               | 103       | 70-135      | 2   | 20        |                 |
| 1,1-Dichloropropene                                | 53.7   | 1.0             | 0.40 | ug/kg | 50.0        |               | 107       | 70-130      | 1   | 20        |                 |
| Ethylbenzene                                       | 56.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 112       | 70-125      | 3   | 20        |                 |
| Hexachlorobutadiene                                | 51.6   | 2.0             | 0.80 | ug/kg | 50.0        |               | 103       | 60-135      | 1   | 20        |                 |
| 2-Hexanone   | 52.6   | 10              | 9.1  | ug/kg | 50.0        |               | 105       | 40-150      | 2   | 35        |                 |
| Isopropylbenzene                                   | 55.7   | 1.0             | 0.54 | ug/kg | 50.0        |               | 111       | 75-130      | 4   | 20        |                 |
| p-Isopropyltoluene                                 | 56.9   | 1.0             | 0.72 | ug/kg | 50.0        |               | 114       | 75-125      | 2   | 20        |                 |
| 4-Methyl-2-pentanone (MIBK)                        | 53.9   | 5.0             | 4.5  | ug/kg | 50.0        |               | 108       | 40-145      | 0   | 35        |                 |
| Methylene chloride                                 | 43.5   | 10              | 6.5  | ug/kg | 50.0        |               | 87        | 55-135      | 4   | 20        |                 |
| Naphthalene  | 64.1   | 2.0             | 1.1  | ug/kg | 50.0        |               | 128       | 55-135      | 1   | 25        |                 |
| n-Propylbenzene                                    | 57.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 115       | 70-130      | 4   | 20        |                 |
| Styrene  | 59.3   | 1.0             | 0.58 | ug/kg | 50.0        |               | 119       | 75-130      | 5   | 20        |                 |
| 1,1,1,2-Tetrachloroethane                          | 54.2   | 2.0             | 0.57 | ug/kg | 50.0        |               | 108       | 70-130      | 2   | 20        |                 |
| 1,1,2,2-Tetrachloroethane                          | 55.8   | 2.0             | 0.86 | ug/kg | 50.0        |               | 112       | 55-140      | 0   | 30        |                 |
| Tetrachloroethene                                  | 55.5   | 1.0             | 0.49 | ug/kg | 50.0        |               | 111       | 70-125      | 1   | 20        |                 |
| Toluene  | 53.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-125      | 1   | 20        |                 |
| 1,2,3-Trichlorobenzene                             | 62.5   | 2.0             | 1.0  | ug/kg | 50.0        |               | 125       | 60-130      | 4   | 20        |                 |
| 1,2,4-Trichlorobenzene                             | 63.9   | 2.0             | 1.0  | ug/kg | 50.0        |               | 128       | 70-135      | 3   | 20        |                 |
| 1,1,1-Trichloroethane                              | 47.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 94        | 65-135      | 1   | 20        |                 |
| 1,1,2-Trichloroethane                              | 55.0   | 1.0             | 0.87 | ug/kg | 50.0        |               | 110       | 65-135      | 1   | 20        |                 |
| Trichloroethene                                    | 56.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 112       | 70-125      | 0   | 20        |                 |
| Trichlorofluoromethane                             | 45.0   | 2.0             | 0.54 | ug/kg | 50.0        |               | 90        | 60-145      | 7   | 25        |                 |
| 1,2,3-Trichloropropane                             | 52.3   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-135      | 0   | 25        |                 |
| 1,2,4-Trimethylbenzene                             | 56.3   | 1.0             | 0.78 | ug/kg | 50.0        |               | 113       | 70-125      | 3   | 20        |                 |

TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29035 Extracted: 07/29/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/29/2009 (9G29035-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,3,5-Trimethylbenzene                             | 54.0   | 1.0             | 0.63 | ug/kg | 50.0        |               | 108       | 70-125      | 1   | 20        |                 |
| Vinyl acetate                                      | 57.9   | 5.0             | 2.5  | ug/kg | 50.0        |               | 116       | 45-145      | 2   | 20        |                 |
| Vinyl chloride                                     | 49.6   | 2.0             | 0.91 | ug/kg | 50.0        |               | 99        | 55-135      | 3   | 25        |                 |
| m,p-Xylenes  | 119    | 2.0             | 0.80 | ug/kg | 100         |               | 119       | 70-125      | 1   | 20        |                 |
| o-Xylene   | 56.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 113       | 70-125      | 0   | 20        |                 |
| Xylenes, Total                                     | 175    | 4.0             | 1.3  | ug/kg | 150         |               | 117       | 70-125      | 1   | 20        |                 |
| Di-isopropyl Ether (DIPE)                          | 50.9   | 2.0             | 0.50 | ug/kg | 50.0        |               | 102       | 60-140      | 1   | 20        |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 59.6   | 2.0             | 0.58 | ug/kg | 50.0        |               | 119       | 60-140      | 0   | 20        |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 52.2   | 2.0             | 1.0  | ug/kg | 50.0        |               | 104       | 60-140      | 1   | 25        |                 |
| tert-Amyl Methyl Ether (TAME)                      | 64.6   | 2.0             | 0.64 | ug/kg | 50.0        |               | 129       | 60-145      | 1   | 20        |                 |
| tert-Butanol (TBA)                                 | 281    | 50              | 10   | ug/kg | 250         |               | 112       | 70-135      | 2   | 20        |                 |
| Surrogate: 4-Bromofluorobenzene                    | 50.9   |                 |      | ug/kg | 50.0        |               | 102       | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 47.8   |                 |      | ug/kg | 50.0        |               | 96        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 50.9   |                 |      | ug/kg | 50.0        |               | 102       | 80-120      |     |           |                 |

### Batch: 9G30016 Extracted: 07/30/09

#### Blank Analyzed: 07/30/2009 (9G30016-BLK1)

|                      |    |     |      |       |  |  |  |  |  |  |  |
|----------------------|----|-----|------|-------|--|--|--|--|--|--|--|
| Acetone              | ND | 10  | 8.0  | ug/kg |  |  |  |  |  |  |  |
| Benzene              | ND | 1.0 | 0.50 | ug/kg |  |  |  |  |  |  |  |
| Bromobenzene         | ND | 2.0 | 0.84 | ug/kg |  |  |  |  |  |  |  |
| Bromochloromethane   | ND | 2.0 | 0.90 | ug/kg |  |  |  |  |  |  |  |
| Bromodichloromethane | ND | 1.0 | 0.50 | ug/kg |  |  |  |  |  |  |  |
| Bromoform            | ND | 2.0 | 0.80 | ug/kg |  |  |  |  |  |  |  |
| Bromomethane         | ND | 2.0 | 0.92 | ug/kg |  |  |  |  |  |  |  |
| 2-Butanone (MEK)     | ND | 10  | 6.0  | ug/kg |  |  |  |  |  |  |  |
| n-Butylbenzene       | ND | 2.0 | 0.72 | ug/kg |  |  |  |  |  |  |  |
| sec-Butylbenzene     | ND | 2.0 | 0.67 | ug/kg |  |  |  |  |  |  |  |
| tert-Butylbenzene    | ND | 2.0 | 0.62 | ug/kg |  |  |  |  |  |  |  |
| Carbon Disulfide     | ND | 5.0 | 0.97 | ug/kg |  |  |  |  |  |  |  |
| Carbon tetrachloride | ND | 2.0 | 0.50 | ug/kg |  |  |  |  |  |  |  |
| Chlorobenzene        | ND | 1.0 | 0.52 | ug/kg |  |  |  |  |  |  |  |
| Chloroethane         | ND | 2.0 | 1.5  | ug/kg |  |  |  |  |  |  |  |
| Chloroform           | ND | 1.0 | 0.50 | ug/kg |  |  |  |  |  |  |  |
| Chloromethane        | ND | 2.0 | 1.0  | ug/kg |  |  |  |  |  |  |  |
| 2-Chlorotoluene      | ND | 2.0 | 0.87 | ug/kg |  |  |  |  |  |  |  |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G30016-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           |                 |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |

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Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>        |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G30016-BLK1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |     |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |     |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |     |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |     |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |     |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |     |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |     |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |     |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |     |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |     |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |     |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |     |           |                 |
| Xylenes, Total                                   | ND     | 4.0             | 1.3  | ug/kg |             |               |           |             |     |           |                 |
| Di-isopropyl Ether (DIPE)                        | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |     |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                    | ND     | 2.0             | 0.58 | ug/kg |             |               |           |             |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |     |           |                 |
| tert-Amyl Methyl Ether (TAME)                    | ND     | 2.0             | 0.64 | ug/kg |             |               |           |             |     |           |                 |
| tert-Butanol (TBA)                               | ND     | 50              | 10   | ug/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 48.0   |                 |      | ug/kg | 50.0        |               | 96        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                  | 47.1   |                 |      | ug/kg | 50.0        |               | 94        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                            | 47.9   |                 |      | ug/kg | 50.0        |               | 96        | 80-120      |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G30016-BS1)</b>    |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 25.3   | 10              | 8.0  | ug/kg | 50.0        |               | 51        | 25-145      |     |           |                 |
| Benzene  | 43.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 86        | 65-120      |     |           |                 |
| Bromobenzene                                     | 47.2   | 2.0             | 0.84 | ug/kg | 50.0        |               | 94        | 75-120      |     |           |                 |
| Bromochloromethane                               | 48.6   | 2.0             | 0.90 | ug/kg | 50.0        |               | 97        | 70-135      |     |           |                 |
| Bromodichloromethane                             | 48.7   | 1.0             | 0.50 | ug/kg | 50.0        |               | 97        | 70-135      |     |           |                 |
| Bromoform  | 47.1   | 2.0             | 0.80 | ug/kg | 50.0        |               | 94        | 55-135      |     |           |                 |
| Bromomethane                                     | 48.2   | 2.0             | 0.92 | ug/kg | 50.0        |               | 96        | 60-145      |     |           |                 |
| 2-Butanone (MEK)                                 | 34.4   | 10              | 6.0  | ug/kg | 50.0        |               | 69        | 40-145      |     |           |                 |
| n-Butylbenzene                                   | 42.9   | 2.0             | 0.72 | ug/kg | 50.0        |               | 86        | 70-130      |     |           |                 |
| sec-Butylbenzene                                 | 44.6   | 2.0             | 0.67 | ug/kg | 50.0        |               | 89        | 70-125      |     |           |                 |
| tert-Butylbenzene                                | 45.4   | 2.0             | 0.62 | ug/kg | 50.0        |               | 91        | 70-125      |     |           |                 |
| Carbon Disulfide                                 | 44.0   | 5.0             | 0.97 | ug/kg | 50.0        |               | 88        | 50-130      |     |           |                 |
| Carbon tetrachloride                             | 49.1   | 2.0             | 0.50 | ug/kg | 50.0        |               | 98        | 65-140      |     |           |                 |

MNR1

#### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G30016-BS1)</b> |        |                 |      |       |             |               |           |             |     |           | <b>MNR1</b>     |
| Chlorobenzene                                 | 45.8   | 1.0             | 0.52 | ug/kg | 50.0        |               | 92        | 75-120      |     |           |                 |
| Chloroethane                                  | 46.5   | 2.0             | 1.5  | ug/kg | 50.0        |               | 93        | 60-140      |     |           |                 |
| Chloroform                                    | 46.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 93        | 70-130      |     |           |                 |
| Chloromethane                                 | 37.5   | 2.0             | 1.0  | ug/kg | 50.0        |               | 75        | 45-145      |     |           |                 |
| 2-Chlorotoluene                               | 45.8   | 2.0             | 0.87 | ug/kg | 50.0        |               | 92        | 70-125      |     |           |                 |
| 4-Chlorotoluene                               | 44.6   | 2.0             | 0.74 | ug/kg | 50.0        |               | 89        | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                   | 42.1   | 10              | 1.5  | ug/kg | 50.0        |               | 84        | 50-135      |     |           |                 |
| Dibromochloromethane                          | 45.3   | 1.0             | 0.70 | ug/kg | 50.0        |               | 91        | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                       | 45.8   | 1.0             | 0.80 | ug/kg | 50.0        |               | 92        | 70-130      |     |           |                 |
| Dibromomethane                                | 46.6   | 1.0             | 0.90 | ug/kg | 50.0        |               | 93        | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                           | 44.7   | 1.0             | 0.95 | ug/kg | 50.0        |               | 89        | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 44.5   | 1.0             | 0.84 | ug/kg | 50.0        |               | 89        | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                           | 44.9   | 1.0             | 0.94 | ug/kg | 50.0        |               | 90        | 75-120      |     |           |                 |
| Dichlorodifluoromethane                       | 33.8   | 2.0             | 1.5  | ug/kg | 50.0        |               | 68        | 35-160      |     |           |                 |
| 1,1-Dichloroethane                            | 44.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 90        | 70-130      |     |           |                 |
| 1,2-Dichloroethane                            | 45.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 91        | 60-140      |     |           |                 |
| 1,1-Dichloroethene                            | 56.1   | 2.0             | 0.60 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| cis-1,2-Dichloroethene                        | 46.8   | 1.0             | 0.83 | ug/kg | 50.0        |               | 94        | 70-125      |     |           |                 |
| trans-1,2-Dichloroethene                      | 48.3   | 1.0             | 0.70 | ug/kg | 50.0        |               | 97        | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 46.2   | 1.0             | 0.80 | ug/kg | 50.0        |               | 92        | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 43.0   | 1.0             | 0.63 | ug/kg | 50.0        |               | 86        | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 47.1   | 1.0             | 0.60 | ug/kg | 50.0        |               | 94        | 60-145      |     |           |                 |
| cis-1,3-Dichloropropene                       | 47.3   | 1.0             | 0.44 | ug/kg | 50.0        |               | 95        | 75-125      |     |           |                 |
| trans-1,3-Dichloropropene                     | 46.4   | 1.0             | 0.61 | ug/kg | 50.0        |               | 93        | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 47.0   | 1.0             | 0.40 | ug/kg | 50.0        |               | 94        | 70-130      |     |           |                 |
| Ethylbenzene                                  | 39.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 80        | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 45.7   | 2.0             | 0.80 | ug/kg | 50.0        |               | 91        | 60-135      |     |           |                 |
| 2-Hexanone                                    | 32.3   | 10              | 9.1  | ug/kg | 50.0        |               | 65        | 40-150      |     |           |                 |
| Isopropylbenzene                              | 47.2   | 1.0             | 0.54 | ug/kg | 50.0        |               | 94        | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 43.6   | 1.0             | 0.72 | ug/kg | 50.0        |               | 87        | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 40.5   | 5.0             | 4.5  | ug/kg | 50.0        |               | 81        | 40-145      |     |           |                 |
| Methylene chloride                            | 42.6   | 10              | 6.5  | ug/kg | 50.0        |               | 85        | 55-135      |     |           |                 |
| Naphthalene                                   | 46.7   | 2.0             | 1.1  | ug/kg | 50.0        |               | 93        | 55-135      |     |           |                 |
| n-Propylbenzene                               | 45.9   | 1.0             | 0.61 | ug/kg | 50.0        |               | 92        | 70-130      |     |           |                 |
| Styrene                                       | 45.5   | 1.0             | 0.58 | ug/kg | 50.0        |               | 91        | 75-130      |     |           |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G30016-BS1)</b>      |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,1,1,2-Tetrachloroethane                          | 46.9   | 2.0             | 0.57 | ug/kg | 50.0        |               | 94        | 70-130      |     |           | MNR1            |
| 1,1,2,2-Tetrachloroethane                          | 45.6   | 2.0             | 0.86 | ug/kg | 50.0        |               | 91        | 55-140      |     |           |                 |
| Tetrachloroethene                                  | 46.2   | 1.0             | 0.49 | ug/kg | 50.0        |               | 92        | 70-125      |     |           |                 |
| Toluene  | 44.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 90        | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                             | 46.9   | 2.0             | 1.0  | ug/kg | 50.0        |               | 94        | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                             | 46.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 93        | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                              | 47.9   | 1.0             | 0.70 | ug/kg | 50.0        |               | 96        | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                              | 46.3   | 1.0             | 0.87 | ug/kg | 50.0        |               | 93        | 65-135      |     |           |                 |
| Trichloroethene                                    | 46.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 93        | 70-125      |     |           |                 |
| Trichlorofluoromethane                             | 44.1   | 2.0             | 0.54 | ug/kg | 50.0        |               | 88        | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                             | 44.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 88        | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                             | 43.8   | 1.0             | 0.78 | ug/kg | 50.0        |               | 88        | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                             | 45.5   | 1.0             | 0.63 | ug/kg | 50.0        |               | 91        | 70-125      |     |           |                 |
| Vinyl acetate                                      | 44.5   | 5.0             | 2.5  | ug/kg | 50.0        |               | 89        | 45-145      |     |           |                 |
| Vinyl chloride                                     | 40.3   | 2.0             | 0.91 | ug/kg | 50.0        |               | 81        | 55-135      |     |           |                 |
| m,p-Xylenes  | 79.5   | 2.0             | 0.80 | ug/kg | 100         |               | 80        | 70-125      |     |           |                 |
| o-Xylene   | 41.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 82        | 70-125      |     |           |                 |
| Xylenes, Total                                     | 121    | 4.0             | 1.3  | ug/kg | 150         |               | 80        | 70-125      |     |           |                 |
| Di-isopropyl Ether (DIPE)                          | 47.5   | 2.0             | 0.50 | ug/kg | 50.0        |               | 95        | 60-140      |     |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 46.0   | 2.0             | 0.58 | ug/kg | 50.0        |               | 92        | 60-140      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 43.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 87        | 60-140      |     |           |                 |
| tert-Amyl Methyl Ether (TAME)                      | 45.9   | 2.0             | 0.64 | ug/kg | 50.0        |               | 92        | 60-145      |     |           |                 |
| tert-Butanol (TBA)                                 | 249    | 50              | 10   | ug/kg | 250         |               | 99        | 70-135      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                    | 43.1   |                 |      | ug/kg | 50.0        |               | 86        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 48.7   |                 |      | ug/kg | 50.0        |               | 97        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 48.1   |                 |      | ug/kg | 50.0        |               | 96        | 80-120      |     |           |                 |
| <b>LCS Dup Analyzed: 07/30/2009 (9G30016-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 24.9   | 10              | 8.0  | ug/kg | 50.0        |               | 50        | 25-145      | 2   | 30        |                 |
| Benzene  | 45.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 90        | 65-120      | 4   | 20        |                 |
| Bromobenzene                                       | 49.6   | 2.0             | 0.84 | ug/kg | 50.0        |               | 99        | 75-120      | 5   | 20        |                 |
| Bromochloromethane                                 | 47.2   | 2.0             | 0.90 | ug/kg | 50.0        |               | 94        | 70-135      | 3   | 20        |                 |
| Bromodichloromethane                               | 50.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 102       | 70-135      | 4   | 20        |                 |
| Bromoform  | 52.8   | 2.0             | 0.80 | ug/kg | 50.0        |               | 106       | 55-135      | 11  | 25        |                 |
| Bromomethane                                       | 46.6   | 2.0             | 0.92 | ug/kg | 50.0        |               | 93        | 60-145      | 3   | 20        |                 |
| 2-Butanone (MEK)                                   | 36.6   | 10              | 6.0  | ug/kg | 50.0        |               | 73        | 40-145      | 6   | 35        |                 |

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Report Number: ISG2199

Sampled: 07/28/09  
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/30/2009 (9G30016-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| n-Butylbenzene                                     | 46.3   | 2.0             | 0.72 | ug/kg | 50.0        |               | 93        | 70-130      | 8   | 20        |                 |
| sec-Butylbenzene                                   | 47.3   | 2.0             | 0.67 | ug/kg | 50.0        |               | 95        | 70-125      | 6   | 20        |                 |
| tert-Butylbenzene                                  | 48.2   | 2.0             | 0.62 | ug/kg | 50.0        |               | 96        | 70-125      | 6   | 20        |                 |
| Carbon Disulfide                                   | 43.4   | 5.0             | 0.97 | ug/kg | 50.0        |               | 87        | 50-130      | 1   | 20        |                 |
| Carbon tetrachloride                               | 51.7   | 2.0             | 0.50 | ug/kg | 50.0        |               | 103       | 65-140      | 5   | 20        |                 |
| Chlorobenzene                                      | 48.5   | 1.0             | 0.52 | ug/kg | 50.0        |               | 97        | 75-120      | 6   | 20        |                 |
| Chloroethane                                       | 44.1   | 2.0             | 1.5  | ug/kg | 50.0        |               | 88        | 60-140      | 5   | 25        |                 |
| Chloroform   | 46.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 94        | 70-130      | 1   | 20        |                 |
| Chloromethane                                      | 37.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 74        | 45-145      | 1   | 25        |                 |
| 2-Chlorotoluene                                    | 48.0   | 2.0             | 0.87 | ug/kg | 50.0        |               | 96        | 70-125      | 5   | 20        |                 |
| 4-Chlorotoluene                                    | 47.8   | 2.0             | 0.74 | ug/kg | 50.0        |               | 96        | 75-125      | 7   | 20        |                 |
| 1,2-Dibromo-3-chloropropane                        | 42.7   | 10              | 1.5  | ug/kg | 50.0        |               | 85        | 50-135      | 1   | 30        |                 |
| Dibromochloromethane                               | 46.7   | 1.0             | 0.70 | ug/kg | 50.0        |               | 93        | 65-140      | 3   | 20        |                 |
| 1,2-Dibromoethane (EDB)                            | 43.1   | 1.0             | 0.80 | ug/kg | 50.0        |               | 86        | 70-130      | 6   | 20        |                 |
| Dibromomethane                                     | 48.9   | 1.0             | 0.90 | ug/kg | 50.0        |               | 98        | 70-130      | 5   | 20        |                 |
| 1,2-Dichlorobenzene                                | 46.4   | 1.0             | 0.95 | ug/kg | 50.0        |               | 93        | 75-120      | 4   | 20        |                 |
| 1,3-Dichlorobenzene                                | 47.3   | 1.0             | 0.84 | ug/kg | 50.0        |               | 95        | 75-125      | 6   | 20        |                 |
| 1,4-Dichlorobenzene                                | 46.9   | 1.0             | 0.94 | ug/kg | 50.0        |               | 94        | 75-120      | 4   | 20        |                 |
| Dichlorodifluoromethane                            | 31.8   | 2.0             | 1.5  | ug/kg | 50.0        |               | 64        | 35-160      | 6   | 30        |                 |
| 1,1-Dichloroethane                                 | 45.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 91        | 70-130      | 1   | 20        |                 |
| 1,2-Dichloroethane                                 | 47.9   | 1.0             | 0.80 | ug/kg | 50.0        |               | 96        | 60-140      | 5   | 20        |                 |
| 1,1-Dichloroethene                                 | 55.2   | 2.0             | 0.60 | ug/kg | 50.0        |               | 110       | 70-125      | 2   | 20        |                 |
| cis-1,2-Dichloroethene                             | 47.7   | 1.0             | 0.83 | ug/kg | 50.0        |               | 95        | 70-125      | 2   | 20        |                 |
| trans-1,2-Dichloroethene                           | 48.4   | 1.0             | 0.70 | ug/kg | 50.0        |               | 97        | 70-125      | 0   | 20        |                 |
| 1,2-Dichloropropane                                | 48.0   | 1.0             | 0.80 | ug/kg | 50.0        |               | 96        | 70-130      | 4   | 20        |                 |
| 1,3-Dichloropropane                                | 44.6   | 1.0             | 0.63 | ug/kg | 50.0        |               | 89        | 70-125      | 4   | 20        |                 |
| 2,2-Dichloropropane                                | 48.2   | 1.0             | 0.60 | ug/kg | 50.0        |               | 96        | 60-145      | 2   | 20        |                 |
| cis-1,3-Dichloropropene                            | 50.9   | 1.0             | 0.44 | ug/kg | 50.0        |               | 102       | 75-125      | 7   | 20        |                 |
| trans-1,3-Dichloropropene                          | 48.1   | 1.0             | 0.61 | ug/kg | 50.0        |               | 96        | 70-135      | 4   | 20        |                 |
| 1,1-Dichloropropene                                | 49.7   | 1.0             | 0.40 | ug/kg | 50.0        |               | 99        | 70-130      | 6   | 20        |                 |
| Ethylbenzene                                       | 46.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 92        | 70-125      | 14  | 20        |                 |
| Hexachlorobutadiene                                | 48.4   | 2.0             | 0.80 | ug/kg | 50.0        |               | 97        | 60-135      | 6   | 20        |                 |
| 2-Hexanone   | 33.8   | 10              | 9.1  | ug/kg | 50.0        |               | 68        | 40-150      | 4   | 35        |                 |
| Isopropylbenzene                                   | 50.2   | 1.0             | 0.54 | ug/kg | 50.0        |               | 100       | 75-130      | 6   | 20        |                 |
| p-Isopropyltoluene                                 | 46.3   | 1.0             | 0.72 | ug/kg | 50.0        |               | 93        | 75-125      | 6   | 20        |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30016 Extracted: 07/30/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/30/2009 (9G30016-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                        | 42.0   | 5.0             | 4.5  | ug/kg | 50.0        |               | 84        | 40-145      | 4   | 35        |                 |
| Methylene chloride                                 | 42.0   | 10              | 6.5  | ug/kg | 50.0        |               | 84        | 55-135      | 1   | 20        |                 |
| Naphthalene  | 48.6   | 2.0             | 1.1  | ug/kg | 50.0        |               | 97        | 55-135      | 4   | 25        |                 |
| n-Propylbenzene                                    | 48.7   | 1.0             | 0.61 | ug/kg | 50.0        |               | 97        | 70-130      | 6   | 20        |                 |
| Styrene  | 51.8   | 1.0             | 0.58 | ug/kg | 50.0        |               | 104       | 75-130      | 13  | 20        |                 |
| 1,1,1,2-Tetrachloroethane                          | 48.5   | 2.0             | 0.57 | ug/kg | 50.0        |               | 97        | 70-130      | 3   | 20        |                 |
| 1,1,2,2-Tetrachloroethane                          | 52.6   | 2.0             | 0.86 | ug/kg | 50.0        |               | 105       | 55-140      | 14  | 30        |                 |
| Tetrachloroethene                                  | 44.5   | 1.0             | 0.49 | ug/kg | 50.0        |               | 89        | 70-125      | 4   | 20        |                 |
| Toluene  | 47.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 94        | 70-125      | 5   | 20        |                 |
| 1,2,3-Trichlorobenzene                             | 47.8   | 2.0             | 1.0  | ug/kg | 50.0        |               | 96        | 60-130      | 2   | 20        |                 |
| 1,2,4-Trichlorobenzene                             | 47.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 95        | 70-135      | 2   | 20        |                 |
| 1,1,1-Trichloroethane                              | 49.0   | 1.0             | 0.70 | ug/kg | 50.0        |               | 98        | 65-135      | 2   | 20        |                 |
| 1,1,2-Trichloroethane                              | 47.6   | 1.0             | 0.87 | ug/kg | 50.0        |               | 95        | 65-135      | 3   | 20        |                 |
| Trichloroethene                                    | 49.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 99        | 70-125      | 6   | 20        |                 |
| Trichlorofluoromethane                             | 42.6   | 2.0             | 0.54 | ug/kg | 50.0        |               | 85        | 60-145      | 4   | 25        |                 |
| 1,2,3-Trichloropropane                             | 45.5   | 2.0             | 1.0  | ug/kg | 50.0        |               | 91        | 60-135      | 3   | 25        |                 |
| 1,2,4-Trimethylbenzene                             | 46.6   | 1.0             | 0.78 | ug/kg | 50.0        |               | 93        | 70-125      | 6   | 20        |                 |
| 1,3,5-Trimethylbenzene                             | 48.3   | 1.0             | 0.63 | ug/kg | 50.0        |               | 97        | 70-125      | 6   | 20        |                 |
| Vinyl acetate                                      | 44.6   | 5.0             | 2.5  | ug/kg | 50.0        |               | 89        | 45-145      | 0   | 20        |                 |
| Vinyl chloride                                     | 40.3   | 2.0             | 0.91 | ug/kg | 50.0        |               | 81        | 55-135      | 0   | 25        |                 |
| m,p-Xylenes  | 94.5   | 2.0             | 0.80 | ug/kg | 100         |               | 95        | 70-125      | 17  | 20        |                 |
| o-Xylene   | 46.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 93        | 70-125      | 12  | 20        |                 |
| Xylenes, Total                                     | 141    | 4.0             | 1.3  | ug/kg | 150         |               | 94        | 70-125      | 16  | 20        |                 |
| Di-isopropyl Ether (DIPE)                          | 47.2   | 2.0             | 0.50 | ug/kg | 50.0        |               | 94        | 60-140      | 1   | 20        |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 46.2   | 2.0             | 0.58 | ug/kg | 50.0        |               | 92        | 60-140      | 1   | 20        |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 43.8   | 2.0             | 1.0  | ug/kg | 50.0        |               | 88        | 60-140      | 1   | 25        |                 |
| tert-Amyl Methyl Ether (TAME)                      | 45.4   | 2.0             | 0.64 | ug/kg | 50.0        |               | 91        | 60-145      | 1   | 20        |                 |
| tert-Butanol (TBA)                                 | 264    | 50              | 10   | ug/kg | 250         |               | 106       | 70-135      | 6   | 20        |                 |
| Surrogate: 4-Bromofluorobenzene                    | 42.1   |                 |      | ug/kg | 50.0        |               | 84        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 46.4   |                 |      | ug/kg | 50.0        |               | 93        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 47.9   |                 |      | ug/kg | 50.0        |               | 96        | 80-120      |     |           |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/31/2009 (9G31004-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Acetone  | ND     | 10              | 8.0  | ug/kg |             |               |           |             |         |           |                 |
| Benzene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromobenzene                                     | ND     | 2.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| Bromochloromethane                               | ND     | 2.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| Bromodichloromethane                             | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromoform  | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Bromomethane                                     | ND     | 2.0             | 0.92 | ug/kg |             |               |           |             |         |           |                 |
| 2-Butanone (MEK)                                 | ND     | 10              | 6.0  | ug/kg |             |               |           |             |         |           |                 |
| n-Butylbenzene                                   | ND     | 2.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| sec-Butylbenzene                                 | ND     | 2.0             | 0.67 | ug/kg |             |               |           |             |         |           |                 |
| tert-Butylbenzene                                | ND     | 2.0             | 0.62 | ug/kg |             |               |           |             |         |           |                 |
| Carbon Disulfide                                 | ND     | 5.0             | 0.97 | ug/kg |             |               |           |             |         |           |                 |
| Carbon tetrachloride                             | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chlorobenzene                                    | ND     | 1.0             | 0.52 | ug/kg |             |               |           |             |         |           |                 |
| Chloroethane                                     | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Chloroform                                       | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chloromethane                                    | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorotoluene                                  | ND     | 2.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Project Manager

The Boeing Company-SSFL  
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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/31/2009 (9G31004-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           |                 |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |         |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |         |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |         |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Xylenes, Total                                   | ND     | 4.0             | 1.3  | ug/kg |             |               |           |             |         |           |                 |
| Di-isopropyl Ether (DIPE)                        | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                    | ND     | 2.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| tert-Amyl Methyl Ether (TAME)                    | ND     | 2.0             | 0.64 | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>        |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 07/31/2009 (9G31004-BLK1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| tert-Butanol (TBA)                               | ND     | 50              | 10   | ug/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 49.1   |                 |      | ug/kg | 50.0        |               | 98        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                  | 45.1   |                 |      | ug/kg | 50.0        |               | 90        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                            | 52.3   |                 |      | ug/kg | 50.0        |               | 105       | 80-120      |     |           |                 |
| <b>LCS Analyzed: 07/31/2009 (9G31004-BS1)</b>    |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 43.6   | 10              | 8.0  | ug/kg | 50.0        |               | 87        | 25-145      |     |           |                 |
| Benzene  | 52.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 105       | 65-120      |     |           |                 |
| Bromobenzene                                     | 54.6   | 2.0             | 0.84 | ug/kg | 50.0        |               | 109       | 75-120      |     |           |                 |
| Bromochloromethane                               | 52.2   | 2.0             | 0.90 | ug/kg | 50.0        |               | 104       | 70-135      |     |           |                 |
| Bromodichloromethane                             | 53.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 107       | 70-135      |     |           |                 |
| Bromoform  | 44.3   | 2.0             | 0.80 | ug/kg | 50.0        |               | 89        | 55-135      |     |           |                 |
| Bromomethane                                     | 49.7   | 2.0             | 0.92 | ug/kg | 50.0        |               | 99        | 60-145      |     |           |                 |
| 2-Butanone (MEK)                                 | 50.6   | 10              | 6.0  | ug/kg | 50.0        |               | 101       | 40-145      |     |           |                 |
| n-Butylbenzene                                   | 55.5   | 2.0             | 0.72 | ug/kg | 50.0        |               | 111       | 70-130      |     |           |                 |
| sec-Butylbenzene                                 | 55.8   | 2.0             | 0.67 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| tert-Butylbenzene                                | 59.0   | 2.0             | 0.62 | ug/kg | 50.0        |               | 118       | 70-125      |     |           |                 |
| Carbon Disulfide                                 | 53.7   | 5.0             | 0.97 | ug/kg | 50.0        |               | 107       | 50-130      |     |           |                 |
| Carbon tetrachloride                             | 56.0   | 2.0             | 0.50 | ug/kg | 50.0        |               | 112       | 65-140      |     |           |                 |
| Chlorobenzene                                    | 52.1   | 1.0             | 0.52 | ug/kg | 50.0        |               | 104       | 75-120      |     |           |                 |
| Chloroethane                                     | 51.5   | 2.0             | 1.5  | ug/kg | 50.0        |               | 103       | 60-140      |     |           |                 |
| Chloroform                                       | 49.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 100       | 70-130      |     |           |                 |
| Chloromethane                                    | 44.1   | 2.0             | 1.0  | ug/kg | 50.0        |               | 88        | 45-145      |     |           |                 |
| 2-Chlorotoluene                                  | 56.3   | 2.0             | 0.87 | ug/kg | 50.0        |               | 113       | 70-125      |     |           |                 |
| 4-Chlorotoluene                                  | 56.0   | 2.0             | 0.74 | ug/kg | 50.0        |               | 112       | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                      | 47.6   | 10              | 1.5  | ug/kg | 50.0        |               | 95        | 50-135      |     |           |                 |
| Dibromochloromethane                             | 55.5   | 1.0             | 0.70 | ug/kg | 50.0        |               | 111       | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                          | 50.8   | 1.0             | 0.80 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| Dibromomethane                                   | 51.0   | 1.0             | 0.90 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                              | 53.1   | 1.0             | 0.95 | ug/kg | 50.0        |               | 106       | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                              | 54.8   | 1.0             | 0.84 | ug/kg | 50.0        |               | 110       | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                              | 53.1   | 1.0             | 0.94 | ug/kg | 50.0        |               | 106       | 75-120      |     |           |                 |
| Dichlorodifluoromethane                          | 42.7   | 2.0             | 1.5  | ug/kg | 50.0        |               | 85        | 35-160      |     |           |                 |
| 1,1-Dichloroethane                               | 49.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 98        | 70-130      |     |           |                 |
| 1,2-Dichloroethane                               | 48.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 97        | 60-140      |     |           |                 |
| 1,1-Dichloroethene                               | 59.2   | 2.0             | 0.60 | ug/kg | 50.0        |               | 118       | 70-125      |     |           |                 |

MNR1

#### TestAmerica Irvine

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Project Manager

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/31/2009 (9G31004-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,2-Dichloroethene                        | 52.8   | 1.0             | 0.83 | ug/kg | 50.0        |               | 106       | 70-125      |     |           | MNR1            |
| trans-1,2-Dichloroethene                      | 53.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 106       | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 52.5   | 1.0             | 0.80 | ug/kg | 50.0        |               | 105       | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 50.9   | 1.0             | 0.63 | ug/kg | 50.0        |               | 102       | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 53.5   | 1.0             | 0.60 | ug/kg | 50.0        |               | 107       | 60-145      |     |           |                 |
| cis-1,3-Dichloropropene                       | 56.5   | 1.0             | 0.44 | ug/kg | 50.0        |               | 113       | 75-125      |     |           |                 |
| trans-1,3-Dichloropropene                     | 55.6   | 1.0             | 0.61 | ug/kg | 50.0        |               | 111       | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 55.6   | 1.0             | 0.40 | ug/kg | 50.0        |               | 111       | 70-130      |     |           |                 |
| Ethylbenzene                                  | 55.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 111       | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 51.0   | 2.0             | 0.80 | ug/kg | 50.0        |               | 102       | 60-135      |     |           |                 |
| 2-Hexanone                                    | 50.7   | 10              | 9.1  | ug/kg | 50.0        |               | 101       | 40-150      |     |           |                 |
| Isopropylbenzene                              | 59.2   | 1.0             | 0.54 | ug/kg | 50.0        |               | 118       | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 53.9   | 1.0             | 0.72 | ug/kg | 50.0        |               | 108       | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 50.9   | 5.0             | 4.5  | ug/kg | 50.0        |               | 102       | 40-145      |     |           |                 |
| Methylene chloride                            | 51.4   | 10              | 6.5  | ug/kg | 50.0        |               | 103       | 55-135      |     |           |                 |
| Naphthalene                                   | 54.5   | 2.0             | 1.1  | ug/kg | 50.0        |               | 109       | 55-135      |     |           |                 |
| n-Propylbenzene                               | 57.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 115       | 70-130      |     |           |                 |
| Styrene                                       | 58.6   | 1.0             | 0.58 | ug/kg | 50.0        |               | 117       | 75-130      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                     | 54.5   | 2.0             | 0.57 | ug/kg | 50.0        |               | 109       | 70-130      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                     | 52.5   | 2.0             | 0.86 | ug/kg | 50.0        |               | 105       | 55-140      |     |           |                 |
| Tetrachloroethene                             | 53.8   | 1.0             | 0.49 | ug/kg | 50.0        |               | 108       | 70-125      |     |           |                 |
| Toluene                                       | 56.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 114       | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                        | 52.7   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 54.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 109       | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                         | 51.9   | 1.0             | 0.70 | ug/kg | 50.0        |               | 104       | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                         | 52.4   | 1.0             | 0.87 | ug/kg | 50.0        |               | 105       | 65-135      |     |           |                 |
| Trichloroethene                               | 54.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-125      |     |           |                 |
| Trichlorofluoromethane                        | 47.0   | 2.0             | 0.54 | ug/kg | 50.0        |               | 94        | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                        | 49.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 99        | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                        | 55.7   | 1.0             | 0.78 | ug/kg | 50.0        |               | 111       | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                        | 57.5   | 1.0             | 0.63 | ug/kg | 50.0        |               | 115       | 70-125      |     |           |                 |
| Vinyl acetate                                 | 64.0   | 5.0             | 2.5  | ug/kg | 50.0        |               | 128       | 45-145      |     |           |                 |
| Vinyl chloride                                | 48.5   | 2.0             | 0.91 | ug/kg | 50.0        |               | 97        | 55-135      |     |           |                 |
| m,p-Xylenes                                   | 112    | 2.0             | 0.80 | ug/kg | 100         |               | 112       | 70-125      |     |           |                 |
| o-Xylene                                      | 55.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 110       | 70-125      |     |           |                 |

#### TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/31/2009 (9G31004-BS1)</b>      |        |                 |      |       |             |               |           |             |     |           |                 |
| Xylenes, Total                                     | 167    | 4.0             | 1.3  | ug/kg | 150         |               | 111       | 70-125      |     |           | MNR1            |
| Di-isopropyl Ether (DIPE)                          | 52.9   | 2.0             | 0.50 | ug/kg | 50.0        |               | 106       | 60-140      |     |           |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 55.2   | 2.0             | 0.58 | ug/kg | 50.0        |               | 110       | 60-140      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 50.9   | 2.0             | 1.0  | ug/kg | 50.0        |               | 102       | 60-140      |     |           |                 |
| tert-Amyl Methyl Ether (TAME)                      | 54.4   | 2.0             | 0.64 | ug/kg | 50.0        |               | 109       | 60-145      |     |           |                 |
| tert-Butanol (TBA)                                 | 294    | 50              | 10   | ug/kg | 250         |               | 118       | 70-135      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                    | 50.5   |                 |      | ug/kg | 50.0        |               | 101       | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 48.0   |                 |      | ug/kg | 50.0        |               | 96        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 53.4   |                 |      | ug/kg | 50.0        |               | 107       | 80-120      |     |           |                 |
| <b>LCS Dup Analyzed: 07/31/2009 (9G31004-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 44.8   | 10              | 8.0  | ug/kg | 50.0        |               | 90        | 25-145      | 3   | 30        |                 |
| Benzene  | 51.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 104       | 65-120      | 1   | 20        |                 |
| Bromobenzene                                       | 54.2   | 2.0             | 0.84 | ug/kg | 50.0        |               | 108       | 75-120      | 1   | 20        |                 |
| Bromochloromethane                                 | 51.2   | 2.0             | 0.90 | ug/kg | 50.0        |               | 102       | 70-135      | 2   | 20        |                 |
| Bromodichloromethane                               | 53.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-135      | 1   | 20        |                 |
| Bromoform  | 45.2   | 2.0             | 0.80 | ug/kg | 50.0        |               | 90        | 55-135      | 2   | 25        |                 |
| Bromomethane                                       | 49.2   | 2.0             | 0.92 | ug/kg | 50.0        |               | 98        | 60-145      | 1   | 20        |                 |
| 2-Butanone (MEK)                                   | 51.1   | 10              | 6.0  | ug/kg | 50.0        |               | 102       | 40-145      | 1   | 35        |                 |
| n-Butylbenzene                                     | 54.5   | 2.0             | 0.72 | ug/kg | 50.0        |               | 109       | 70-130      | 2   | 20        |                 |
| sec-Butylbenzene                                   | 55.0   | 2.0             | 0.67 | ug/kg | 50.0        |               | 110       | 70-125      | 1   | 20        |                 |
| tert-Butylbenzene                                  | 58.2   | 2.0             | 0.62 | ug/kg | 50.0        |               | 116       | 70-125      | 2   | 20        |                 |
| Carbon Disulfide                                   | 52.6   | 5.0             | 0.97 | ug/kg | 50.0        |               | 105       | 50-130      | 2   | 20        |                 |
| Carbon tetrachloride                               | 55.9   | 2.0             | 0.50 | ug/kg | 50.0        |               | 112       | 65-140      | 0   | 20        |                 |
| Chlorobenzene                                      | 51.6   | 1.0             | 0.52 | ug/kg | 50.0        |               | 103       | 75-120      | 1   | 20        |                 |
| Chloroethane                                       | 51.0   | 2.0             | 1.5  | ug/kg | 50.0        |               | 102       | 60-140      | 1   | 25        |                 |
| Chloroform   | 47.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 95        | 70-130      | 5   | 20        |                 |
| Chloromethane                                      | 44.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 88        | 45-145      | 0   | 25        |                 |
| 2-Chlorotoluene                                    | 54.9   | 2.0             | 0.87 | ug/kg | 50.0        |               | 110       | 70-125      | 3   | 20        |                 |
| 4-Chlorotoluene                                    | 55.4   | 2.0             | 0.74 | ug/kg | 50.0        |               | 111       | 75-125      | 1   | 20        |                 |
| 1,2-Dibromo-3-chloropropane                        | 48.7   | 10              | 1.5  | ug/kg | 50.0        |               | 97        | 50-135      | 2   | 30        |                 |
| Dibromochloromethane                               | 55.0   | 1.0             | 0.70 | ug/kg | 50.0        |               | 110       | 65-140      | 1   | 20        |                 |
| 1,2-Dibromoethane (EDB)                            | 50.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 101       | 70-130      | 0   | 20        |                 |
| Dibromomethane                                     | 51.0   | 1.0             | 0.90 | ug/kg | 50.0        |               | 102       | 70-130      | 0   | 20        |                 |
| 1,2-Dichlorobenzene                                | 52.5   | 1.0             | 0.95 | ug/kg | 50.0        |               | 105       | 75-120      | 1   | 20        |                 |
| 1,3-Dichlorobenzene                                | 54.3   | 1.0             | 0.84 | ug/kg | 50.0        |               | 109       | 75-125      | 1   | 20        |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/31/2009 (9G31004-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,4-Dichlorobenzene                                | 52.6   | 1.0             | 0.94 | ug/kg | 50.0        |               | 105       | 75-120      | 1   | 20        |                 |
| Dichlorodifluoromethane                            | 41.1   | 2.0             | 1.5  | ug/kg | 50.0        |               | 82        | 35-160      | 4   | 30        |                 |
| 1,1-Dichloroethane                                 | 48.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 96        | 70-130      | 2   | 20        |                 |
| 1,2-Dichloroethane                                 | 48.3   | 1.0             | 0.80 | ug/kg | 50.0        |               | 97        | 60-140      | 1   | 20        |                 |
| 1,1-Dichloroethene                                 | 57.7   | 2.0             | 0.60 | ug/kg | 50.0        |               | 115       | 70-125      | 2   | 20        |                 |
| cis-1,2-Dichloroethene                             | 50.9   | 1.0             | 0.83 | ug/kg | 50.0        |               | 102       | 70-125      | 4   | 20        |                 |
| trans-1,2-Dichloroethene                           | 52.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 104       | 70-125      | 2   | 20        |                 |
| 1,2-Dichloropropane                                | 51.7   | 1.0             | 0.80 | ug/kg | 50.0        |               | 103       | 70-130      | 2   | 20        |                 |
| 1,3-Dichloropropane                                | 51.0   | 1.0             | 0.63 | ug/kg | 50.0        |               | 102       | 70-125      | 0   | 20        |                 |
| 2,2-Dichloropropane                                | 52.9   | 1.0             | 0.60 | ug/kg | 50.0        |               | 106       | 60-145      | 1   | 20        |                 |
| cis-1,3-Dichloropropene                            | 56.3   | 1.0             | 0.44 | ug/kg | 50.0        |               | 113       | 75-125      | 0   | 20        |                 |
| trans-1,3-Dichloropropene                          | 55.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 111       | 70-135      | 1   | 20        |                 |
| 1,1-Dichloropropene                                | 55.1   | 1.0             | 0.40 | ug/kg | 50.0        |               | 110       | 70-130      | 1   | 20        |                 |
| Ethylbenzene                                       | 54.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 109       | 70-125      | 2   | 20        |                 |
| Hexachlorobutadiene                                | 48.9   | 2.0             | 0.80 | ug/kg | 50.0        |               | 98        | 60-135      | 4   | 20        |                 |
| 2-Hexanone   | 52.8   | 10              | 9.1  | ug/kg | 50.0        |               | 106       | 40-150      | 4   | 35        |                 |
| Isopropylbenzene                                   | 58.3   | 1.0             | 0.54 | ug/kg | 50.0        |               | 117       | 75-130      | 2   | 20        |                 |
| p-Isopropyltoluene                                 | 53.3   | 1.0             | 0.72 | ug/kg | 50.0        |               | 107       | 75-125      | 1   | 20        |                 |
| 4-Methyl-2-pentanone (MIBK)                        | 52.2   | 5.0             | 4.5  | ug/kg | 50.0        |               | 104       | 40-145      | 2   | 35        |                 |
| Methylene chloride                                 | 49.6   | 10              | 6.5  | ug/kg | 50.0        |               | 99        | 55-135      | 4   | 20        |                 |
| Naphthalene  | 54.4   | 2.0             | 1.1  | ug/kg | 50.0        |               | 109       | 55-135      | 0   | 25        |                 |
| n-Propylbenzene                                    | 56.6   | 1.0             | 0.61 | ug/kg | 50.0        |               | 113       | 70-130      | 1   | 20        |                 |
| Styrene  | 58.0   | 1.0             | 0.58 | ug/kg | 50.0        |               | 116       | 75-130      | 1   | 20        |                 |
| 1,1,1,2-Tetrachloroethane                          | 53.6   | 2.0             | 0.57 | ug/kg | 50.0        |               | 107       | 70-130      | 2   | 20        |                 |
| 1,1,2,2-Tetrachloroethane                          | 52.9   | 2.0             | 0.86 | ug/kg | 50.0        |               | 106       | 55-140      | 1   | 30        |                 |
| Tetrachloroethene                                  | 53.3   | 1.0             | 0.49 | ug/kg | 50.0        |               | 107       | 70-125      | 1   | 20        |                 |
| Toluene  | 55.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 111       | 70-125      | 2   | 20        |                 |
| 1,2,3-Trichlorobenzene                             | 52.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-130      | 1   | 20        |                 |
| 1,2,4-Trichlorobenzene                             | 53.2   | 2.0             | 1.0  | ug/kg | 50.0        |               | 106       | 70-135      | 2   | 20        |                 |
| 1,1,1-Trichloroethane                              | 51.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 102       | 65-135      | 1   | 20        |                 |
| 1,1,2-Trichloroethane                              | 52.4   | 1.0             | 0.87 | ug/kg | 50.0        |               | 105       | 65-135      | 0   | 20        |                 |
| Trichloroethene                                    | 53.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 107       | 70-125      | 1   | 20        |                 |
| Trichlorofluoromethane                             | 45.4   | 2.0             | 0.54 | ug/kg | 50.0        |               | 91        | 60-145      | 3   | 25        |                 |
| 1,2,3-Trichloropropane                             | 49.7   | 2.0             | 1.0  | ug/kg | 50.0        |               | 99        | 60-135      | 1   | 25        |                 |
| 1,2,4-Trimethylbenzene                             | 54.9   | 1.0             | 0.78 | ug/kg | 50.0        |               | 110       | 70-125      | 1   | 20        |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G31004 Extracted: 07/31/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 07/31/2009 (9G31004-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| 1,3,5-Trimethylbenzene                             | 56.8   | 1.0             | 0.63 | ug/kg | 50.0        |               | 114       | 70-125      | 1   | 20        |                 |
| Vinyl acetate                                      | 63.8   | 5.0             | 2.5  | ug/kg | 50.0        |               | 128       | 45-145      | 0   | 20        |                 |
| Vinyl chloride                                     | 47.5   | 2.0             | 0.91 | ug/kg | 50.0        |               | 95        | 55-135      | 2   | 25        |                 |
| m,p-Xylenes  | 110    | 2.0             | 0.80 | ug/kg | 100         |               | 110       | 70-125      | 2   | 20        |                 |
| o-Xylene   | 54.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 109       | 70-125      | 1   | 20        |                 |
| Xylenes, Total                                     | 164    | 4.0             | 1.3  | ug/kg | 150         |               | 110       | 70-125      | 1   | 20        |                 |
| Di-isopropyl Ether (DIPE)                          | 51.4   | 2.0             | 0.50 | ug/kg | 50.0        |               | 103       | 60-140      | 3   | 20        |                 |
| Ethyl tert-Butyl Ether (ETBE)                      | 54.1   | 2.0             | 0.58 | ug/kg | 50.0        |               | 108       | 60-140      | 2   | 20        |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 50.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 101       | 60-140      | 1   | 25        |                 |
| tert-Amyl Methyl Ether (TAME)                      | 54.0   | 2.0             | 0.64 | ug/kg | 50.0        |               | 108       | 60-145      | 1   | 20        |                 |
| tert-Butanol (TBA)                                 | 291    | 50              | 10   | ug/kg | 250         |               | 116       | 70-135      | 1   | 20        |                 |
| Surrogate: 4-Bromofluorobenzene                    | 50.8   |                 |      | ug/kg | 50.0        |               | 102       | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 47.3   |                 |      | ug/kg | 50.0        |               | 95        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 53.5   |                 |      | ug/kg | 50.0        |               | 107       | 80-120      |     |           |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>        |        |                 |     |       |             |               |           |        |     |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G29004-BLK1)</b> |        |                 |     |       |             |               |           |        |     |           |                 |
| Acenaphthene                                     | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Acenaphthylene                                   | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Aniline  | ND     | 420             | 85  | ug/kg |             |               |           |        |     |           |                 |
| Anthracene                                       | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg |             |               |           |        |     |           |                 |
| Benzo(a)anthracene                               | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Benzo(a)pyrene                                   | ND     | 330             | 55  | ug/kg |             |               |           |        |     |           |                 |
| Benzo(b)fluoranthene                             | ND     | 330             | 50  | ug/kg |             |               |           |        |     |           |                 |
| Benzo(g,h,i)perylene                             | ND     | 330             | 110 | ug/kg |             |               |           |        |     |           |                 |
| Benzo(k)fluoranthene                             | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Benzoic acid                                     | ND     | 830             | 150 | ug/kg |             |               |           |        |     |           |                 |
| Benzyl alcohol                                   | ND     | 330             | 200 | ug/kg |             |               |           |        |     |           |                 |
| 4-Bromophenyl phenyl ether                       | ND     | 330             | 75  | ug/kg |             |               |           |        |     |           |                 |
| Butyl benzyl phthalate                           | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| 4-Chloro-3-methylphenol                          | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| 4-Chloroaniline                                  | ND     | 330             | 120 | ug/kg |             |               |           |        |     |           |                 |
| Bis(2-chloroethoxy)methane                       | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Bis(2-chloroethyl)ether                          | ND     | 170             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Bis(2-chloroisopropyl)ether                      | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Bis(2-ethylhexyl)phthalate                       | ND     | 330             | 90  | ug/kg |             |               |           |        |     |           |                 |
| 2-Chloronaphthalene                              | ND     | 330             | 65  | ug/kg |             |               |           |        |     |           |                 |
| 2-Chlorophenol                                   | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| 4-Chlorophenyl phenyl ether                      | ND     | 330             | 85  | ug/kg |             |               |           |        |     |           |                 |
| Chrysene   | ND     | 330             | 75  | ug/kg |             |               |           |        |     |           |                 |
| Dibenz(a,h)anthracene                            | ND     | 420             | 100 | ug/kg |             |               |           |        |     |           |                 |
| Dibenzofuran                                     | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Di-n-butyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |        |     |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 330             | 90  | ug/kg |             |               |           |        |     |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 330             | 65  | ug/kg |             |               |           |        |     |           |                 |
| 3,3'-Dichlorobenzidine                           | ND     | 830             | 150 | ug/kg |             |               |           |        |     |           |                 |
| 2,4-Dichlorophenol                               | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Diethyl phthalate                                | ND     | 330             | 95  | ug/kg |             |               |           |        |     |           |                 |
| 2,4-Dimethylphenol                               | ND     | 330             | 100 | ug/kg |             |               |           |        |     |           |                 |
| Dimethyl phthalate                               | ND     | 330             | 65  | ug/kg |             |               |           |        |     |           |                 |

#### TestAmerica Irvine

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5800 Woolsey Canyon Road  
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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limit  | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>        |        |                 |     |       |             |               |           |        |     |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G29004-BLK1)</b> |        |                 |     |       |             |               |           |        |     |           |                 |
| 4,6-Dinitro-2-methylphenol                       | ND     | 420             | 110 | ug/kg |             |               |           |        |     |           |                 |
| 2,4-Dinitrophenol                                | ND     | 660             | 110 | ug/kg |             |               |           |        |     |           |                 |
| 2,4-Dinitrotoluene                               | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| 2,6-Dinitrotoluene                               | ND     | 330             | 95  | ug/kg |             |               |           |        |     |           |                 |
| Di-n-octyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |        |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                 | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Fluoranthene                                     | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Fluorene   | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Hexachlorobenzene                                | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| Hexachlorobutadiene                              | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Hexachlorocyclopentadiene                        | ND     | 830             | 90  | ug/kg |             |               |           |        |     |           |                 |
| Hexachloroethane                                 | ND     | 330             | 65  | ug/kg |             |               |           |        |     |           |                 |
| Indeno(1,2,3-cd)pyrene                           | ND     | 330             | 130 | ug/kg |             |               |           |        |     |           |                 |
| Isophorone                                       | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| 2-Methylnaphthalene                              | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| 2-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| 4-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| Naphthalene                                      | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| 2-Nitroaniline                                   | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| 3-Nitroaniline                                   | ND     | 330             | 75  | ug/kg |             |               |           |        |     |           |                 |
| 4-Nitroaniline                                   | ND     | 830             | 90  | ug/kg |             |               |           |        |     |           |                 |
| Nitrobenzene                                     | ND     | 330             | 70  | ug/kg |             |               |           |        |     |           |                 |
| 2-Nitrophenol                                    | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| 4-Nitrophenol                                    | ND     | 830             | 140 | ug/kg |             |               |           |        |     |           |                 |
| N-Nitroso-di-n-propylamine                       | ND     | 250             | 70  | ug/kg |             |               |           |        |     |           |                 |
| N-Nitrosodimethylamine                           | ND     | 330             | 55  | ug/kg |             |               |           |        |     |           |                 |
| N-Nitrosodiphenylamine                           | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| Pentachlorophenol                                | ND     | 830             | 150 | ug/kg |             |               |           |        |     |           |                 |
| Phenanthrene                                     | ND     | 330             | 60  | ug/kg |             |               |           |        |     |           |                 |
| Phenol   | ND     | 330             | 90  | ug/kg |             |               |           |        |     |           |                 |
| Pyrene   | ND     | 330             | 80  | ug/kg |             |               |           |        |     |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 330             | 50  | ug/kg |             |               |           |        |     |           |                 |
| 2,4,5-Trichlorophenol                            | ND     | 330             | 130 | ug/kg |             |               |           |        |     |           |                 |
| 2,4,6-Trichlorophenol                            | ND     | 330             | 75  | ug/kg |             |               |           |        |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                  | 7190   |                 |     | ug/kg | 6670        |               | 108       | 35-125 |     |           |                 |

#### TestAmerica Irvine

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Project Manager

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>        |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G29004-BLK1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                      | 3080   |                 |     | ug/kg | 3330        |               | 92        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                        | 6320   |                 |     | ug/kg | 6670        |               | 95        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                       | 3110   |                 |     | ug/kg | 3330        |               | 93        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                             | 6380   |                 |     | ug/kg | 6670        |               | 96        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                         | 3730   |                 |     | ug/kg | 3330        |               | 112       | 40-135      |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G29004-BS1)</b>    |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene                                     | 2890   | 330             | 60  | ug/kg | 3330        |               | 87        | 50-120      |     |           |                 |
| Acenaphthylene                                   | 3080   | 330             | 70  | ug/kg | 3330        |               | 92        | 50-120      |     |           |                 |
| Aniline  | 2900   | 420             | 85  | ug/kg | 3330        |               | 87        | 25-120      |     |           |                 |
| Anthracene                                       | 3200   | 330             | 80  | ug/kg | 3330        |               | 96        | 55-120      |     |           |                 |
| Benzidine  | 2380   | 660             | 660 | ug/kg | 3330        |               | 71        | 20-120      |     |           |                 |
| Benzo(a)anthracene                               | 3130   | 330             | 70  | ug/kg | 3330        |               | 94        | 55-120      |     |           |                 |
| Benzo(a)pyrene                                   | 3400   | 330             | 55  | ug/kg | 3330        |               | 102       | 50-125      |     |           |                 |
| Benzo(b)fluoranthene                             | 2780   | 330             | 50  | ug/kg | 3330        |               | 83        | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                             | 3380   | 330             | 110 | ug/kg | 3330        |               | 101       | 35-130      |     |           |                 |
| Benzo(k)fluoranthene                             | 3540   | 330             | 70  | ug/kg | 3330        |               | 106       | 45-125      |     |           |                 |
| Benzoic acid                                     | 1310   | 830             | 150 | ug/kg | 3330        |               | 39        | 20-120      |     |           |                 |
| Benzyl alcohol                                   | 2860   | 330             | 200 | ug/kg | 3330        |               | 86        | 35-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                       | 3170   | 330             | 75  | ug/kg | 3330        |               | 95        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                           | 3580   | 330             | 80  | ug/kg | 3330        |               | 107       | 50-125      |     |           |                 |
| 4-Chloro-3-methylphenol                          | 3600   | 330             | 70  | ug/kg | 3330        |               | 108       | 50-125      |     |           |                 |
| 4-Chloroaniline                                  | 2660   | 330             | 120 | ug/kg | 3330        |               | 80        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                       | 2950   | 330             | 70  | ug/kg | 3330        |               | 88        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                          | 2720   | 170             | 60  | ug/kg | 3330        |               | 82        | 35-120      |     |           |                 |
| Bis(2-chloroisopropyl)ether                      | 2670   | 330             | 60  | ug/kg | 3330        |               | 80        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                       | 3620   | 330             | 90  | ug/kg | 3330        |               | 108       | 50-130      |     |           |                 |
| 2-Chloronaphthalene                              | 2910   | 330             | 65  | ug/kg | 3330        |               | 87        | 45-120      |     |           |                 |
| 2-Chlorophenol                                   | 3100   | 330             | 70  | ug/kg | 3330        |               | 93        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                      | 3340   | 330             | 85  | ug/kg | 3330        |               | 100       | 55-120      |     |           |                 |
| Chrysene   | 3210   | 330             | 75  | ug/kg | 3330        |               | 96        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                            | 3420   | 420             | 100 | ug/kg | 3330        |               | 103       | 40-135      |     |           |                 |
| Dibenzofuran                                     | 3150   | 330             | 60  | ug/kg | 3330        |               | 94        | 55-120      |     |           |                 |
| Di-n-butyl phthalate                             | 3550   | 330             | 90  | ug/kg | 3330        |               | 106       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                              | 2580   | 330             | 60  | ug/kg | 3330        |               | 77        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                              | 2410   | 330             | 90  | ug/kg | 3330        |               | 72        | 35-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G29004-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| 1,4-Dichlorobenzene                           | 2430   | 330             | 65  | ug/kg | 3330        |               | 73        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                        | 2990   | 830             | 150 | ug/kg | 3330        |               | 90        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                            | 3280   | 330             | 60  | ug/kg | 3330        |               | 98        | 45-120      |     |           |                 |
| Diethyl phthalate                             | 3410   | 330             | 95  | ug/kg | 3330        |               | 102       | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                            | 2890   | 330             | 100 | ug/kg | 3330        |               | 87        | 40-120      |     |           |                 |
| Dimethyl phthalate                            | 3300   | 330             | 65  | ug/kg | 3330        |               | 99        | 50-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                    | 3050   | 420             | 110 | ug/kg | 3330        |               | 91        | 40-120      |     |           |                 |
| 2,4-Dinitrophenol                             | 1980   | 660             | 110 | ug/kg | 3330        |               | 59        | 25-120      |     |           |                 |
| 2,4-Dinitrotoluene                            | 3370   | 330             | 80  | ug/kg | 3330        |               | 101       | 55-125      |     |           |                 |
| 2,6-Dinitrotoluene                            | 3220   | 330             | 95  | ug/kg | 3330        |               | 97        | 55-125      |     |           |                 |
| Di-n-octyl phthalate                          | 3830   | 330             | 90  | ug/kg | 3330        |               | 115       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene              | 3280   | 330             | 60  | ug/kg | 3330        |               | 98        | 50-125      |     |           |                 |
| Fluoranthene                                  | 3280   | 330             | 70  | ug/kg | 3330        |               | 99        | 55-120      |     |           |                 |
| Fluorene                                      | 3250   | 330             | 70  | ug/kg | 3330        |               | 98        | 55-120      |     |           |                 |
| Hexachlorobenzene                             | 3260   | 330             | 70  | ug/kg | 3330        |               | 98        | 50-120      |     |           |                 |
| Hexachlorobutadiene                           | 2930   | 330             | 60  | ug/kg | 3330        |               | 88        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                     | 1910   | 830             | 90  | ug/kg | 3330        |               | 57        | 30-125      |     |           |                 |
| Hexachloroethane                              | 2520   | 330             | 65  | ug/kg | 3330        |               | 76        | 40-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                        | 3320   | 330             | 130 | ug/kg | 3330        |               | 100       | 30-135      |     |           |                 |
| Isophorone                                    | 3180   | 330             | 60  | ug/kg | 3330        |               | 95        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                           | 3170   | 330             | 70  | ug/kg | 3330        |               | 95        | 45-120      |     |           |                 |
| 2-Methylphenol                                | 3220   | 330             | 80  | ug/kg | 3330        |               | 97        | 40-120      |     |           |                 |
| 4-Methylphenol                                | 3280   | 330             | 80  | ug/kg | 3330        |               | 98        | 45-120      |     |           |                 |
| Naphthalene                                   | 2880   | 330             | 60  | ug/kg | 3330        |               | 86        | 45-120      |     |           |                 |
| 2-Nitroaniline                                | 3580   | 330             | 60  | ug/kg | 3330        |               | 107       | 50-125      |     |           |                 |
| 3-Nitroaniline                                | 2920   | 330             | 75  | ug/kg | 3330        |               | 88        | 35-120      |     |           |                 |
| 4-Nitroaniline                                | 2850   | 830             | 90  | ug/kg | 3330        |               | 85        | 45-125      |     |           |                 |
| Nitrobenzene                                  | 2980   | 330             | 70  | ug/kg | 3330        |               | 89        | 45-120      |     |           |                 |
| 2-Nitrophenol                                 | 3040   | 330             | 60  | ug/kg | 3330        |               | 91        | 45-120      |     |           |                 |
| 4-Nitrophenol                                 | 4160   | 830             | 140 | ug/kg | 3330        |               | 125       | 40-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                    | 3140   | 250             | 70  | ug/kg | 3330        |               | 94        | 40-120      |     |           |                 |
| N-Nitrosodimethylamine                        | 2450   | 330             | 55  | ug/kg | 3330        |               | 73        | 25-120      |     |           |                 |
| N-Nitrosodiphenylamine                        | 3140   | 330             | 80  | ug/kg | 3330        |               | 94        | 50-120      |     |           |                 |
| Pentachlorophenol                             | 2800   | 830             | 150 | ug/kg | 3330        |               | 84        | 40-120      |     |           |                 |
| Phenanthrene                                  | 3130   | 330             | 60  | ug/kg | 3330        |               | 94        | 50-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>              |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G29004-BS1)</b>          |        |                 |     |       |             |               |           |             |     |           |                 |
| Phenol   | 3390   | 330             | 90  | ug/kg | 3330        |               | 102       | 40-120      |     |           |                 |
| Pyrene   | 3320   | 330             | 80  | ug/kg | 3330        |               | 100       | 45-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | 2790   | 330             | 50  | ug/kg | 3330        |               | 84        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                  | 3190   | 330             | 130 | ug/kg | 3330        |               | 96        | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                  | 3220   | 330             | 75  | ug/kg | 3330        |               | 97        | 50-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                        | 7000   |                 |     | ug/kg | 6670        |               | 105       | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                            | 2880   |                 |     | ug/kg | 3330        |               | 87        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                              | 6240   |                 |     | ug/kg | 6670        |               | 94        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                             | 2970   |                 |     | ug/kg | 3330        |               | 89        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                                   | 6370   |                 |     | ug/kg | 6670        |               | 96        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                               | 3340   |                 |     | ug/kg | 3330        |               | 100       | 40-135      |     |           |                 |
| <b>Matrix Spike Analyzed: 07/31/2009 (9G29004-MS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Source: ISG2199-12</b>                              |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene   | 2370   | 330             | 60  | ug/kg | 3330        | ND            | 71        | 45-120      |     |           |                 |
| Acenaphthylene   | 2560   | 330             | 70  | ug/kg | 3330        | ND            | 77        | 45-120      |     |           |                 |
| Aniline  | 1420   | 420             | 85  | ug/kg | 3330        | ND            | 43        | 25-120      |     |           |                 |
| Anthracene   | 2770   | 330             | 80  | ug/kg | 3330        | ND            | 83        | 55-120      |     |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg | 3330        | ND            |           | 20-120      |     |           | M2              |
| Benzo(a)anthracene                                     | 2960   | 330             | 70  | ug/kg | 3330        | ND            | 89        | 50-120      |     |           |                 |
| Benzo(a)pyrene   | 3220   | 330             | 55  | ug/kg | 3330        | ND            | 96        | 45-125      |     |           |                 |
| Benzo(b)fluoranthene                                   | 2670   | 330             | 50  | ug/kg | 3330        | ND            | 80        | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                                   | 3650   | 330             | 110 | ug/kg | 3330        | 211           | 103       | 25-130      |     |           |                 |
| Benzo(k)fluoranthene                                   | 3370   | 330             | 70  | ug/kg | 3330        | ND            | 101       | 45-125      |     |           |                 |
| Benzoic acid   | 1280   | 830             | 150 | ug/kg | 3330        | ND            | 38        | 20-120      |     |           |                 |
| Benzyl alcohol   | 2540   | 330             | 200 | ug/kg | 3330        | ND            | 76        | 20-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                             | 2760   | 330             | 75  | ug/kg | 3330        | ND            | 83        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                                 | 4440   | 330             | 80  | ug/kg | 3330        | ND            | 133       | 45-125      |     |           | M1              |
| 4-Chloro-3-methylphenol                                | 2800   | 330             | 70  | ug/kg | 3330        | ND            | 84        | 50-125      |     |           |                 |
| 4-Chloroaniline  | 1810   | 330             | 120 | ug/kg | 3330        | ND            | 54        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                             | 2290   | 330             | 70  | ug/kg | 3330        | ND            | 69        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                                | 2230   | 170             | 60  | ug/kg | 3330        | ND            | 67        | 35-110      |     |           |                 |
| Bis(2-chloroisopropyl)ether                            | 2130   | 330             | 60  | ug/kg | 3330        | ND            | 64        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                             | 4340   | 330             | 90  | ug/kg | 3330        | ND            | 130       | 45-130      |     |           |                 |
| 2-Chloronaphthalene                                    | 2470   | 330             | 65  | ug/kg | 3330        | ND            | 74        | 45-120      |     |           |                 |
| 2-Chlorophenol   | 2530   | 330             | 70  | ug/kg | 3330        | ND            | 76        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                            | 2730   | 330             | 85  | ug/kg | 3330        | ND            | 82        | 50-120      |     |           |                 |

#### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>              |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 07/31/2009 (9G29004-MS1)</b> |        |                 |     |       | <b>Source: ISG2199-12</b> |               |           |             |     |           |                 |
| Chrysene   | 2990   | 330             | 75  | ug/kg | 3330                      | ND            | 90        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                                  | 3250   | 420             | 100 | ug/kg | 3330                      | ND            | 98        | 25-135      |     |           |                 |
| Dibenzofuran   | 2570   | 330             | 60  | ug/kg | 3330                      | ND            | 77        | 50-120      |     |           |                 |
| Di-n-butyl phthalate                                   | 3420   | 330             | 90  | ug/kg | 3330                      | ND            | 102       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 2180   | 330             | 60  | ug/kg | 3330                      | ND            | 65        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 2020   | 330             | 90  | ug/kg | 3330                      | ND            | 61        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                                    | 2090   | 330             | 65  | ug/kg | 3330                      | ND            | 63        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                                 | 1240   | 830             | 150 | ug/kg | 3330                      | ND            | 37        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                                     | 2580   | 330             | 60  | ug/kg | 3330                      | ND            | 77        | 45-120      |     |           |                 |
| Diethyl phthalate                                      | 2830   | 330             | 95  | ug/kg | 3330                      | ND            | 85        | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                                     | 1690   | 330             | 100 | ug/kg | 3330                      | ND            | 51        | 30-120      |     |           |                 |
| Dimethyl phthalate                                     | 2670   | 330             | 65  | ug/kg | 3330                      | ND            | 80        | 45-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                             | 1540   | 420             | 110 | ug/kg | 3330                      | ND            | 46        | 35-120      |     |           |                 |
| 2,4-Dinitrophenol                                      | 658    | 660             | 110 | ug/kg | 3330                      | ND            | 20        | 20-120      |     |           | J               |
| 2,4-Dinitrotoluene                                     | 2780   | 330             | 80  | ug/kg | 3330                      | ND            | 83        | 50-125      |     |           |                 |
| 2,6-Dinitrotoluene                                     | 2630   | 330             | 95  | ug/kg | 3330                      | ND            | 79        | 50-125      |     |           |                 |
| Di-n-octyl phthalate                                   | 4130   | 330             | 90  | ug/kg | 3330                      | ND            | 124       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | 2730   | 330             | 60  | ug/kg | 3330                      | ND            | 82        | 50-125      |     |           |                 |
| Fluoranthene   | 2960   | 330             | 70  | ug/kg | 3330                      | ND            | 89        | 45-120      |     |           |                 |
| Fluorene   | 2640   | 330             | 70  | ug/kg | 3330                      | ND            | 79        | 50-120      |     |           |                 |
| Hexachlorobenzene                                      | 2800   | 330             | 70  | ug/kg | 3330                      | ND            | 84        | 50-120      |     |           |                 |
| Hexachlorobutadiene                                    | 2440   | 330             | 60  | ug/kg | 3330                      | ND            | 73        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                              | 829    | 830             | 90  | ug/kg | 3330                      | ND            | 25        | 20-125      |     |           | J               |
| Hexachloroethane                                       | 2160   | 330             | 65  | ug/kg | 3330                      | ND            | 65        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                                 | 3120   | 330             | 130 | ug/kg | 3330                      | ND            | 94        | 20-130      |     |           |                 |
| Isophorone   | 2430   | 330             | 60  | ug/kg | 3330                      | ND            | 73        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                                    | 2460   | 330             | 70  | ug/kg | 3330                      | ND            | 74        | 40-120      |     |           |                 |
| 2-Methylphenol   | 2520   | 330             | 80  | ug/kg | 3330                      | ND            | 76        | 40-120      |     |           |                 |
| 4-Methylphenol   | 2480   | 330             | 80  | ug/kg | 3330                      | ND            | 74        | 45-120      |     |           |                 |
| Naphthalene  | 2360   | 330             | 60  | ug/kg | 3330                      | ND            | 71        | 40-120      |     |           |                 |
| 2-Nitroaniline   | 2800   | 330             | 60  | ug/kg | 3330                      | ND            | 84        | 45-120      |     |           |                 |
| 3-Nitroaniline   | 2260   | 330             | 75  | ug/kg | 3330                      | ND            | 68        | 30-120      |     |           |                 |
| 4-Nitroaniline   | 2180   | 830             | 90  | ug/kg | 3330                      | ND            | 65        | 40-125      |     |           |                 |
| Nitrobenzene   | 2430   | 330             | 70  | ug/kg | 3330                      | ND            | 73        | 40-120      |     |           |                 |
| 2-Nitrophenol  | 2350   | 330             | 60  | ug/kg | 3330                      | ND            | 70        | 40-120      |     |           |                 |

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Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>                   |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 07/31/2009 (9G29004-MS1)</b>      |        |                 |     |       | <b>Source: ISG2199-12</b> |               |           |             |     |           |                 |
| 4-Nitrophenol   | 3360   | 830             | 140 | ug/kg | 3330                      | ND            | 101       | 35-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                                  | 2420   | 250             | 70  | ug/kg | 3330                      | ND            | 73        | 35-120      |     |           |                 |
| N-Nitrosodimethylamine                                      | 1900   | 330             | 55  | ug/kg | 3330                      | ND            | 57        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                                      | 2690   | 330             | 80  | ug/kg | 3330                      | ND            | 81        | 45-125      |     |           |                 |
| Pentachlorophenol   | 2350   | 830             | 150 | ug/kg | 3330                      | ND            | 70        | 30-120      |     |           |                 |
| Phenanthrene  | 2750   | 330             | 60  | ug/kg | 3330                      | ND            | 83        | 50-120      |     |           |                 |
| Phenol  | 2690   | 330             | 90  | ug/kg | 3330                      | ND            | 81        | 40-120      |     |           |                 |
| Pyrene  | 3890   | 330             | 80  | ug/kg | 3330                      | ND            | 117       | 40-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                      | 2330   | 330             | 50  | ug/kg | 3330                      | ND            | 70        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                       | 2690   | 330             | 130 | ug/kg | 3330                      | ND            | 81        | 45-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                       | 2690   | 330             | 75  | ug/kg | 3330                      | ND            | 81        | 45-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6200   |                 |     | ug/kg | 6670                      |               | 93        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2470   |                 |     | ug/kg | 3330                      |               | 74        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5060   |                 |     | ug/kg | 6670                      |               | 76        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2400   |                 |     | ug/kg | 3330                      |               | 72        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5160   |                 |     | ug/kg | 6670                      |               | 77        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 4130   |                 |     | ug/kg | 3330                      |               | 124       | 40-135      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/31/2009 (9G29004-MSD1)</b> |        |                 |     |       | <b>Source: ISG2199-12</b> |               |           |             |     |           |                 |
| Acenaphthene  | 2340   | 330             | 60  | ug/kg | 3330                      | ND            | 70        | 45-120      | 1   | 25        |                 |
| Acenaphthylene  | 2500   | 330             | 70  | ug/kg | 3330                      | ND            | 75        | 45-120      | 2   | 20        |                 |
| Aniline   | 1400   | 420             | 85  | ug/kg | 3330                      | ND            | 42        | 25-120      | 1   | 30        |                 |
| Anthracene  | 2680   | 330             | 80  | ug/kg | 3330                      | ND            | 80        | 55-120      | 3   | 25        |                 |
| Benzidine   | ND     | 660             | 660 | ug/kg | 3330                      | ND            |           | 20-120      |     | 30        | M2              |
| Benzo(a)anthracene  | 2790   | 330             | 70  | ug/kg | 3330                      | ND            | 84        | 50-120      | 6   | 25        |                 |
| Benzo(a)pyrene  | 2960   | 330             | 55  | ug/kg | 3330                      | ND            | 89        | 45-125      | 8   | 25        |                 |
| Benzo(b)fluoranthene  | 2480   | 330             | 50  | ug/kg | 3330                      | ND            | 74        | 45-125      | 8   | 30        |                 |
| Benzo(g,h,i)perylene  | 3780   | 330             | 110 | ug/kg | 3330                      | 211           | 107       | 25-130      | 4   | 30        |                 |
| Benzo(k)fluoranthene  | 3180   | 330             | 70  | ug/kg | 3330                      | ND            | 95        | 45-125      | 6   | 30        |                 |
| Benzoic acid  | 1240   | 830             | 150 | ug/kg | 3330                      | ND            | 37        | 20-120      | 3   | 30        |                 |
| Benzyl alcohol  | 2590   | 330             | 200 | ug/kg | 3330                      | ND            | 78        | 20-120      | 2   | 30        |                 |
| 4-Bromophenyl phenyl ether                                  | 2760   | 330             | 75  | ug/kg | 3330                      | ND            | 83        | 45-120      | 0   | 20        |                 |
| Butyl benzyl phthalate                                      | 4040   | 330             | 80  | ug/kg | 3330                      | ND            | 121       | 45-125      | 9   | 25        |                 |
| 4-Chloro-3-methylphenol                                     | 2810   | 330             | 70  | ug/kg | 3330                      | ND            | 84        | 50-125      | 0   | 25        |                 |
| 4-Chloroaniline   | 1800   | 330             | 120 | ug/kg | 3330                      | ND            | 54        | 20-120      | 0   | 30        |                 |
| Bis(2-chloroethoxy)methane                                  | 2360   | 330             | 70  | ug/kg | 3330                      | ND            | 71        | 45-120      | 3   | 25        |                 |

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Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>                   |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/31/2009 (9G29004-MSD1)</b> |        |                 |     |       | <b>Source: ISG2199-12</b> |               |           |             |     |           |                 |
| Bis(2-chloroethyl)ether                                     | 2220   | 170             | 60  | ug/kg | 3330                      | ND            | 66        | 35-110      | 1   | 25        |                 |
| Bis(2-chloroisopropyl)ether                                 | 2160   | 330             | 60  | ug/kg | 3330                      | ND            | 65        | 40-120      | 1   | 25        |                 |
| Bis(2-ethylhexyl)phthalate                                  | 4040   | 330             | 90  | ug/kg | 3330                      | ND            | 121       | 45-130      | 7   | 25        |                 |
| 2-Chloronaphthalene   | 2440   | 330             | 65  | ug/kg | 3330                      | ND            | 73        | 45-120      | 1   | 20        |                 |
| 2-Chlorophenol  | 2590   | 330             | 70  | ug/kg | 3330                      | ND            | 78        | 40-120      | 2   | 20        |                 |
| 4-Chlorophenyl phenyl ether                                 | 2630   | 330             | 85  | ug/kg | 3330                      | ND            | 79        | 50-120      | 4   | 25        |                 |
| Chrysene  | 2830   | 330             | 75  | ug/kg | 3330                      | ND            | 85        | 55-120      | 5   | 25        |                 |
| Dibenz(a,h)anthracene                                       | 3200   | 420             | 100 | ug/kg | 3330                      | ND            | 96        | 25-135      | 2   | 30        |                 |
| Dibenzofuran  | 2540   | 330             | 60  | ug/kg | 3330                      | ND            | 76        | 50-120      | 1   | 25        |                 |
| Di-n-butyl phthalate  | 3150   | 330             | 90  | ug/kg | 3330                      | ND            | 94        | 50-125      | 8   | 25        |                 |
| 1,2-Dichlorobenzene   | 2200   | 330             | 60  | ug/kg | 3330                      | ND            | 66        | 40-120      | 1   | 25        |                 |
| 1,3-Dichlorobenzene   | 2090   | 330             | 90  | ug/kg | 3330                      | ND            | 63        | 35-120      | 3   | 25        |                 |
| 1,4-Dichlorobenzene   | 2110   | 330             | 65  | ug/kg | 3330                      | ND            | 63        | 35-120      | 1   | 25        |                 |
| 3,3'-Dichlorobenzidine                                      | 1270   | 830             | 150 | ug/kg | 3330                      | ND            | 38        | 20-130      | 3   | 25        |                 |
| 2,4-Dichlorophenol  | 2570   | 330             | 60  | ug/kg | 3330                      | ND            | 77        | 45-120      | 0   | 25        |                 |
| Diethyl phthalate   | 2770   | 330             | 95  | ug/kg | 3330                      | ND            | 83        | 50-125      | 2   | 25        |                 |
| 2,4-Dimethylphenol  | 1780   | 330             | 100 | ug/kg | 3330                      | ND            | 53        | 30-120      | 5   | 25        |                 |
| Dimethyl phthalate  | 2590   | 330             | 65  | ug/kg | 3330                      | ND            | 78        | 45-125      | 3   | 25        |                 |
| 4,6-Dinitro-2-methylphenol                                  | 1490   | 420             | 110 | ug/kg | 3330                      | ND            | 45        | 35-120      | 3   | 25        |                 |
| 2,4-Dinitrophenol   | 642    | 660             | 110 | ug/kg | 3330                      | ND            | 19        | 20-120      | 2   | 25        | M2, J           |
| 2,4-Dinitrotoluene  | 2720   | 330             | 80  | ug/kg | 3330                      | ND            | 82        | 50-125      | 2   | 25        |                 |
| 2,6-Dinitrotoluene  | 2600   | 330             | 95  | ug/kg | 3330                      | ND            | 78        | 50-125      | 1   | 20        |                 |
| Di-n-octyl phthalate  | 3870   | 330             | 90  | ug/kg | 3330                      | ND            | 116       | 50-135      | 7   | 25        |                 |
| 1,2-Diphenylhydrazine/Azobenzene                            | 2680   | 330             | 60  | ug/kg | 3330                      | ND            | 80        | 50-125      | 2   | 25        |                 |
| Fluoranthene  | 2750   | 330             | 70  | ug/kg | 3330                      | ND            | 83        | 45-120      | 7   | 25        |                 |
| Fluorene  | 2580   | 330             | 70  | ug/kg | 3330                      | ND            | 78        | 50-120      | 2   | 25        |                 |
| Hexachlorobenzene   | 2750   | 330             | 70  | ug/kg | 3330                      | ND            | 83        | 50-120      | 2   | 25        |                 |
| Hexachlorobutadiene   | 2420   | 330             | 60  | ug/kg | 3330                      | ND            | 73        | 40-120      | 1   | 25        |                 |
| Hexachlorocyclopentadiene                                   | 831    | 830             | 90  | ug/kg | 3330                      | ND            | 25        | 20-125      | 0   | 30        |                 |
| Hexachloroethane  | 2220   | 330             | 65  | ug/kg | 3330                      | ND            | 67        | 35-120      | 3   | 30        |                 |
| Indeno(1,2,3-cd)pyrene                                      | 3140   | 330             | 130 | ug/kg | 3330                      | ND            | 94        | 20-130      | 0   | 30        |                 |
| Isophorone  | 2430   | 330             | 60  | ug/kg | 3330                      | ND            | 73        | 40-120      | 0   | 25        |                 |
| 2-Methylnaphthalene   | 2440   | 330             | 70  | ug/kg | 3330                      | ND            | 73        | 40-120      | 1   | 20        |                 |
| 2-Methylphenol  | 2560   | 330             | 80  | ug/kg | 3330                      | ND            | 77        | 40-120      | 2   | 25        |                 |
| 4-Methylphenol  | 2610   | 330             | 80  | ug/kg | 3330                      | ND            | 78        | 45-120      | 5   | 25        |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29004 Extracted: 07/29/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/31/2009 (9G29004-MSD1)</b> |        |                 |     |       |             | <b>Source: ISG2199-12</b> |           |             |     |           |                 |
| Naphthalene   | 2310   | 330             | 60  | ug/kg | 3330        | ND                        | 69        | 40-120      | 2   | 25        |                 |
| 2-Nitroaniline  | 2780   | 330             | 60  | ug/kg | 3330        | ND                        | 83        | 45-120      | 1   | 25        |                 |
| 3-Nitroaniline  | 2180   | 330             | 75  | ug/kg | 3330        | ND                        | 65        | 30-120      | 3   | 25        |                 |
| 4-Nitroaniline  | 2060   | 830             | 90  | ug/kg | 3330        | ND                        | 62        | 40-125      | 6   | 30        |                 |
| Nitrobenzene  | 2400   | 330             | 70  | ug/kg | 3330        | ND                        | 72        | 40-120      | 1   | 25        |                 |
| 2-Nitrophenol   | 2400   | 330             | 60  | ug/kg | 3330        | ND                        | 72        | 40-120      | 2   | 25        |                 |
| 4-Nitrophenol   | 3050   | 830             | 140 | ug/kg | 3330        | ND                        | 91        | 35-125      | 10  | 30        |                 |
| N-Nitroso-di-n-propylamine                                  | 2490   | 250             | 70  | ug/kg | 3330        | ND                        | 75        | 35-120      | 3   | 25        |                 |
| N-Nitrosodimethylamine                                      | 1860   | 330             | 55  | ug/kg | 3330        | ND                        | 56        | 25-125      | 2   | 25        |                 |
| N-Nitrosodiphenylamine                                      | 2650   | 330             | 80  | ug/kg | 3330        | ND                        | 80        | 45-125      | 2   | 25        |                 |
| Pentachlorophenol   | 2270   | 830             | 150 | ug/kg | 3330        | ND                        | 68        | 30-120      | 4   | 25        |                 |
| Phenanthrene  | 2660   | 330             | 60  | ug/kg | 3330        | ND                        | 80        | 50-120      | 3   | 25        |                 |
| Phenol  | 2720   | 330             | 90  | ug/kg | 3330        | ND                        | 82        | 40-120      | 1   | 25        |                 |
| Pyrene  | 3480   | 330             | 80  | ug/kg | 3330        | ND                        | 104       | 40-125      | 11  | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 2330   | 330             | 50  | ug/kg | 3330        | ND                        | 70        | 40-120      | 0   | 25        |                 |
| 2,4,5-Trichlorophenol                                       | 2620   | 330             | 130 | ug/kg | 3330        | ND                        | 79        | 45-120      | 3   | 20        |                 |
| 2,4,6-Trichlorophenol                                       | 2660   | 330             | 75  | ug/kg | 3330        | ND                        | 80        | 45-120      | 1   | 25        |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6030   |                 |     | ug/kg | 6670        |                           | 90        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2440   |                 |     | ug/kg | 3330        |                           | 73        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5090   |                 |     | ug/kg | 6670        |                           | 76        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2460   |                 |     | ug/kg | 3330        |                           | 74        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5250   |                 |     | ug/kg | 6670        |                           | 79        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 3740   |                 |     | ug/kg | 3330        |                           | 112       | 40-135      |     |           |                 |

**Batch: 9H03041 Extracted: 08/03/09**

**Blank Analyzed: 08/03/2009 (9H03041-BLK1)**

|                      |    |     |     |       |  |  |  |  |  |  |  |
|----------------------|----|-----|-----|-------|--|--|--|--|--|--|--|
| Acenaphthene         | ND | 330 | 60  | ug/kg |  |  |  |  |  |  |  |
| Acenaphthylene       | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Aniline              | ND | 420 | 85  | ug/kg |  |  |  |  |  |  |  |
| Anthracene           | ND | 330 | 80  | ug/kg |  |  |  |  |  |  |  |
| Benzidine            | ND | 660 | 660 | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)anthracene   | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)pyrene       | ND | 330 | 55  | ug/kg |  |  |  |  |  |  |  |
| Benzo(b)fluoranthene | ND | 330 | 50  | ug/kg |  |  |  |  |  |  |  |
| Benzo(g,h,i)perylene | ND | 330 | 110 | ug/kg |  |  |  |  |  |  |  |

**TestAmerica Irvine**

Joseph Doak  
Project Manager



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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 08/03/2009 (9H03041-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| Benzo(k)fluoranthene                             | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Benzoic acid                                     | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Benzyl alcohol                                   | ND     | 330             | 200 | ug/kg |             |               |           |             |         |           |                 |
| 4-Bromophenyl phenyl ether                       | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Butyl benzyl phthalate                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloro-3-methylphenol                          | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloroaniline                                  | ND     | 330             | 120 | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethoxy)methane                       | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethyl)ether                          | ND     | 170             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroisopropyl)ether                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-ethylhexyl)phthalate                       | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chloronaphthalene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorophenol                                   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorophenyl phenyl ether                      | ND     | 330             | 85  | ug/kg |             |               |           |             |         |           |                 |
| Chrysene   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Dibenz(a,h)anthracene                            | ND     | 420             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dibenzofuran                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-butyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 3,3'-Dichlorobenzidine                           | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dichlorophenol                               | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Diethyl phthalate                                | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dimethylphenol                               | ND     | 330             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dimethyl phthalate                               | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 4,6-Dinitro-2-methylphenol                       | ND     | 420             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrophenol                                | ND     | 660             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrotoluene                               | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 2,6-Dinitrotoluene                               | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-octyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                 | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Fluoranthene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Fluorene   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobenzene                                | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 08/03/2009 (9H03041-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorocyclopentadiene                        | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Hexachloroethane                                 | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| Indeno(1,2,3-cd)pyrene                           | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| Isophorone                                       | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylnaphthalene                              | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitroaniline                                   | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 3-Nitroaniline                                   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitroaniline                                   | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Nitrobenzene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitrophenol                                    | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitrophenol                                    | ND     | 830             | 140 | ug/kg |             |               |           |             |         |           |                 |
| N-Nitroso-di-n-propylamine                       | ND     | 250             | 70  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodimethylamine                           | ND     | 330             | 55  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodiphenylamine                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Pentachlorophenol                                | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Phenanthrene                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Phenol   | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Pyrene   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 330             | 50  | ug/kg |             |               |           |             |         |           |                 |
| 2,4,5-Trichlorophenol                            | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| 2,4,6-Trichlorophenol                            | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 2,4,6-Tribromophenol                  | 6280   |                 |     | ug/kg | 6670        |               | 94        | 35-125      |         |           |                 |
| Surrogate: 2-Fluorobiphenyl                      | 2760   |                 |     | ug/kg | 3330        |               | 83        | 35-120      |         |           |                 |
| Surrogate: 2-Fluorophenol                        | 6410   |                 |     | ug/kg | 6670        |               | 96        | 25-120      |         |           |                 |
| Surrogate: Nitrobenzene-d5                       | 2720   |                 |     | ug/kg | 3330        |               | 82        | 30-120      |         |           |                 |
| Surrogate: Phenol-d6                             | 6050   |                 |     | ug/kg | 6670        |               | 91        | 35-120      |         |           |                 |
| Surrogate: Terphenyl-d14                         | 3380   |                 |     | ug/kg | 3330        |               | 101       | 40-135      |         |           |                 |

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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/03/2009 (9H03041-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene                                  | 2620   | 330             | 60  | ug/kg | 3330        |               | 79        | 50-120      |     |           |                 |
| Acenaphthylene                                | 2890   | 330             | 70  | ug/kg | 3330        |               | 87        | 50-120      |     |           |                 |
| Aniline                                       | 2190   | 420             | 85  | ug/kg | 3330        |               | 66        | 25-120      |     |           |                 |
| Anthracene                                    | 3170   | 330             | 80  | ug/kg | 3330        |               | 95        | 55-120      |     |           |                 |
| Benzidine                                     | 2260   | 660             | 660 | ug/kg | 3330        |               | 68        | 20-120      |     |           |                 |
| Benzo(a)anthracene                            | 3490   | 330             | 70  | ug/kg | 3330        |               | 105       | 55-120      |     |           |                 |
| Benzo(a)pyrene                                | 3800   | 330             | 55  | ug/kg | 3330        |               | 114       | 50-125      |     |           |                 |
| Benzo(b)fluoranthene                          | 3790   | 330             | 50  | ug/kg | 3330        |               | 114       | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                          | 4300   | 330             | 110 | ug/kg | 3330        |               | 129       | 35-130      |     |           |                 |
| Benzo(k)fluoranthene                          | 3850   | 330             | 70  | ug/kg | 3330        |               | 115       | 45-125      |     |           |                 |
| Benzoic acid                                  | 1750   | 830             | 150 | ug/kg | 3330        |               | 52        | 20-120      |     |           |                 |
| Benzyl alcohol                                | 3020   | 330             | 200 | ug/kg | 3330        |               | 91        | 35-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                    | 2990   | 330             | 75  | ug/kg | 3330        |               | 90        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                        | 4100   | 330             | 80  | ug/kg | 3330        |               | 123       | 50-125      |     |           |                 |
| 4-Chloro-3-methylphenol                       | 3350   | 330             | 70  | ug/kg | 3330        |               | 100       | 50-125      |     |           |                 |
| 4-Chloroaniline                               | 2330   | 330             | 120 | ug/kg | 3330        |               | 70        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                    | 2680   | 330             | 70  | ug/kg | 3330        |               | 80        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                       | 2770   | 170             | 60  | ug/kg | 3330        |               | 83        | 35-120      |     |           |                 |
| Bis(2-chloroisopropyl)ether                   | 2430   | 330             | 60  | ug/kg | 3330        |               | 73        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                    | 4150   | 330             | 90  | ug/kg | 3330        |               | 124       | 50-130      |     |           |                 |
| 2-Chloronaphthalene                           | 2690   | 330             | 65  | ug/kg | 3330        |               | 81        | 45-120      |     |           |                 |
| 2-Chlorophenol                                | 2960   | 330             | 70  | ug/kg | 3330        |               | 89        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                   | 2790   | 330             | 85  | ug/kg | 3330        |               | 84        | 55-120      |     |           |                 |
| Chrysene                                      | 3540   | 330             | 75  | ug/kg | 3330        |               | 106       | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                         | 3530   | 420             | 100 | ug/kg | 3330        |               | 106       | 40-135      |     |           |                 |
| Dibenzofuran                                  | 2830   | 330             | 60  | ug/kg | 3330        |               | 85        | 55-120      |     |           |                 |
| Di-n-butyl phthalate                          | 3730   | 330             | 90  | ug/kg | 3330        |               | 112       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                           | 2350   | 330             | 60  | ug/kg | 3330        |               | 70        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 2200   | 330             | 90  | ug/kg | 3330        |               | 66        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                           | 2250   | 330             | 65  | ug/kg | 3330        |               | 68        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                        | 3730   | 830             | 150 | ug/kg | 3330        |               | 112       | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                            | 3020   | 330             | 60  | ug/kg | 3330        |               | 91        | 45-120      |     |           |                 |
| Diethyl phthalate                             | 3300   | 330             | 95  | ug/kg | 3330        |               | 99        | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                            | 2690   | 330             | 100 | ug/kg | 3330        |               | 81        | 40-120      |     |           |                 |
| Dimethyl phthalate                            | 3190   | 330             | 65  | ug/kg | 3330        |               | 96        | 50-125      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/03/2009 (9H03041-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| 4,6-Dinitro-2-methylphenol                    | 2900   | 420             | 110 | ug/kg | 3330        |               | 87        | 40-120      |     |           |                 |
| 2,4-Dinitrophenol                             | 1900   | 660             | 110 | ug/kg | 3330        |               | 57        | 25-120      |     |           |                 |
| 2,4-Dinitrotoluene                            | 3420   | 330             | 80  | ug/kg | 3330        |               | 103       | 55-125      |     |           |                 |
| 2,6-Dinitrotoluene                            | 3210   | 330             | 95  | ug/kg | 3330        |               | 96        | 55-125      |     |           |                 |
| Di-n-octyl phthalate                          | 4310   | 330             | 90  | ug/kg | 3330        |               | 129       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene              | 3140   | 330             | 60  | ug/kg | 3330        |               | 94        | 50-125      |     |           |                 |
| Fluoranthene                                  | 3360   | 330             | 70  | ug/kg | 3330        |               | 101       | 55-120      |     |           |                 |
| Fluorene                                      | 2900   | 330             | 70  | ug/kg | 3330        |               | 87        | 55-120      |     |           |                 |
| Hexachlorobenzene                             | 3010   | 330             | 70  | ug/kg | 3330        |               | 90        | 50-120      |     |           |                 |
| Hexachlorobutadiene                           | 2310   | 330             | 60  | ug/kg | 3330        |               | 69        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                     | 2070   | 830             | 90  | ug/kg | 3330        |               | 62        | 30-125      |     |           |                 |
| Hexachloroethane                              | 2180   | 330             | 65  | ug/kg | 3330        |               | 65        | 40-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                        | 3430   | 330             | 130 | ug/kg | 3330        |               | 103       | 30-135      |     |           |                 |
| Isophorone                                    | 2770   | 330             | 60  | ug/kg | 3330        |               | 83        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                           | 2700   | 330             | 70  | ug/kg | 3330        |               | 81        | 45-120      |     |           |                 |
| 2-Methylphenol                                | 3230   | 330             | 80  | ug/kg | 3330        |               | 97        | 40-120      |     |           |                 |
| 4-Methylphenol                                | 3280   | 330             | 80  | ug/kg | 3330        |               | 98        | 45-120      |     |           |                 |
| Naphthalene                                   | 2530   | 330             | 60  | ug/kg | 3330        |               | 76        | 45-120      |     |           |                 |
| 2-Nitroaniline                                | 3490   | 330             | 60  | ug/kg | 3330        |               | 105       | 50-125      |     |           |                 |
| 3-Nitroaniline                                | 3240   | 330             | 75  | ug/kg | 3330        |               | 97        | 35-120      |     |           |                 |
| 4-Nitroaniline                                | 3750   | 830             | 90  | ug/kg | 3330        |               | 113       | 45-125      |     |           |                 |
| Nitrobenzene                                  | 2590   | 330             | 70  | ug/kg | 3330        |               | 78        | 45-120      |     |           |                 |
| 2-Nitrophenol                                 | 2880   | 330             | 60  | ug/kg | 3330        |               | 86        | 45-120      |     |           |                 |
| 4-Nitrophenol                                 | 3360   | 830             | 140 | ug/kg | 3330        |               | 101       | 40-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                    | 2780   | 250             | 70  | ug/kg | 3330        |               | 83        | 40-120      |     |           |                 |
| N-Nitrosodimethylamine                        | 2470   | 330             | 55  | ug/kg | 3330        |               | 74        | 25-120      |     |           |                 |
| N-Nitrosodiphenylamine                        | 3230   | 330             | 80  | ug/kg | 3330        |               | 97        | 50-120      |     |           |                 |
| Pentachlorophenol                             | 3110   | 830             | 150 | ug/kg | 3330        |               | 93        | 40-120      |     |           |                 |
| Phenanthrene                                  | 3080   | 330             | 60  | ug/kg | 3330        |               | 92        | 50-120      |     |           |                 |
| Phenol  | 3310   | 330             | 90  | ug/kg | 3330        |               | 99        | 40-120      |     |           |                 |
| Pyrene  | 3740   | 330             | 80  | ug/kg | 3330        |               | 112       | 45-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 2420   | 330             | 50  | ug/kg | 3330        |               | 73        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                         | 3100   | 330             | 130 | ug/kg | 3330        |               | 93        | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                         | 3100   | 330             | 75  | ug/kg | 3330        |               | 93        | 50-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol               | 6540   |                 |     | ug/kg | 6670        |               | 98        | 35-125      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>              |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/03/2009 (9H03041-BS1)</b>          |        |                 |     |       |             |               |           |             |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                            | 2620   |                 |     | ug/kg | 3330        |               | 79        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                              | 6030   |                 |     | ug/kg | 6670        |               | 90        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                             | 2520   |                 |     | ug/kg | 3330        |               | 76        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                                   | 6060   |                 |     | ug/kg | 6670        |               | 91        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                               | 3840   |                 |     | ug/kg | 3330        |               | 115       | 40-135      |     |           |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (9H03041-MS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Source: ISG2199-08RE1</b>                           |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene   | 3100   | 330             | 60  | ug/kg | 3330        | ND            | 93        | 45-120      |     |           |                 |
| Acenaphthylene   | 3370   | 330             | 70  | ug/kg | 3330        | ND            | 101       | 45-120      |     |           |                 |
| Aniline  | 2270   | 420             | 85  | ug/kg | 3330        | ND            | 68        | 25-120      |     |           |                 |
| Anthracene   | 3380   | 330             | 80  | ug/kg | 3330        | ND            | 101       | 55-120      |     |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg | 3330        | ND            |           | 20-120      |     |           | M2              |
| Benzo(a)anthracene                                     | 3350   | 330             | 70  | ug/kg | 3330        | ND            | 101       | 50-120      |     |           |                 |
| Benzo(a)pyrene   | 3690   | 330             | 55  | ug/kg | 3330        | ND            | 111       | 45-125      |     |           |                 |
| Benzo(b)fluoranthene                                   | 3720   | 330             | 50  | ug/kg | 3330        | ND            | 112       | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                                   | 4280   | 330             | 110 | ug/kg | 3330        | ND            | 128       | 25-130      |     |           |                 |
| Benzo(k)fluoranthene                                   | 3850   | 330             | 70  | ug/kg | 3330        | ND            | 115       | 45-125      |     |           |                 |
| Benzoic acid   | 1080   | 830             | 150 | ug/kg | 3330        | ND            | 32        | 20-120      |     |           |                 |
| Benzyl alcohol   | 3510   | 330             | 200 | ug/kg | 3330        | ND            | 105       | 20-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                             | 3360   | 330             | 75  | ug/kg | 3330        | ND            | 101       | 45-120      |     |           |                 |
| Butyl benzyl phthalate                                 | 3950   | 330             | 80  | ug/kg | 3330        | ND            | 119       | 45-125      |     |           |                 |
| 4-Chloro-3-methylphenol                                | 3730   | 330             | 70  | ug/kg | 3330        | ND            | 112       | 50-125      |     |           |                 |
| 4-Chloroaniline  | 2720   | 330             | 120 | ug/kg | 3330        | ND            | 82        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                             | 3160   | 330             | 70  | ug/kg | 3330        | ND            | 95        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                                | 3160   | 170             | 60  | ug/kg | 3330        | ND            | 95        | 35-110      |     |           |                 |
| Bis(2-chloroisopropyl)ether                            | 2840   | 330             | 60  | ug/kg | 3330        | ND            | 85        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                             | 4280   | 330             | 90  | ug/kg | 3330        | ND            | 128       | 45-130      |     |           |                 |
| 2-Chloronaphthalene                                    | 3220   | 330             | 65  | ug/kg | 3330        | ND            | 97        | 45-120      |     |           |                 |
| 2-Chlorophenol   | 3340   | 330             | 70  | ug/kg | 3330        | ND            | 100       | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                            | 3220   | 330             | 85  | ug/kg | 3330        | ND            | 97        | 50-120      |     |           |                 |
| Chrysene   | 3400   | 330             | 75  | ug/kg | 3330        | ND            | 102       | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                                  | 3470   | 420             | 100 | ug/kg | 3330        | ND            | 104       | 25-135      |     |           |                 |
| Dibenzofuran   | 3310   | 330             | 60  | ug/kg | 3330        | ND            | 99        | 50-120      |     |           |                 |
| Di-n-butyl phthalate                                   | 3710   | 330             | 90  | ug/kg | 3330        | ND            | 111       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 2750   | 330             | 60  | ug/kg | 3330        | ND            | 83        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 2600   | 330             | 90  | ug/kg | 3330        | ND            | 78        | 35-120      |     |           |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|------------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>              |        |                 |     |       |             |                              |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (9H03041-MS1)</b> |        |                 |     |       |             | <b>Source: ISG2199-08RE1</b> |           |             |     |           |                 |
| 1,4-Dichlorobenzene                                    | 2630   | 330             | 65  | ug/kg | 3330        | ND                           | 79        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                                 | 2860   | 830             | 150 | ug/kg | 3330        | ND                           | 86        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                                     | 3550   | 330             | 60  | ug/kg | 3330        | ND                           | 106       | 45-120      |     |           |                 |
| Diethyl phthalate                                      | 3480   | 330             | 95  | ug/kg | 3330        | ND                           | 104       | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                                     | 2750   | 330             | 100 | ug/kg | 3330        | ND                           | 83        | 30-120      |     |           |                 |
| Dimethyl phthalate                                     | 3440   | 330             | 65  | ug/kg | 3330        | ND                           | 103       | 45-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                             | 2150   | 420             | 110 | ug/kg | 3330        | ND                           | 64        | 35-120      |     |           |                 |
| 2,4-Dinitrophenol                                      | 995    | 660             | 110 | ug/kg | 3330        | ND                           | 30        | 20-120      |     |           |                 |
| 2,4-Dinitrotoluene                                     | 3540   | 330             | 80  | ug/kg | 3330        | ND                           | 106       | 50-125      |     |           |                 |
| 2,6-Dinitrotoluene                                     | 3550   | 330             | 95  | ug/kg | 3330        | ND                           | 106       | 50-125      |     |           |                 |
| Di-n-octyl phthalate                                   | 4380   | 330             | 90  | ug/kg | 3330        | ND                           | 131       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | 3560   | 330             | 60  | ug/kg | 3330        | ND                           | 107       | 50-125      |     |           |                 |
| Fluoranthene   | 3320   | 330             | 70  | ug/kg | 3330        | ND                           | 100       | 45-120      |     |           |                 |
| Fluorene   | 3290   | 330             | 70  | ug/kg | 3330        | ND                           | 99        | 50-120      |     |           |                 |
| Hexachlorobenzene                                      | 3290   | 330             | 70  | ug/kg | 3330        | ND                           | 99        | 50-120      |     |           |                 |
| Hexachlorobutadiene                                    | 2880   | 330             | 60  | ug/kg | 3330        | ND                           | 86        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                              | 2480   | 830             | 90  | ug/kg | 3330        | ND                           | 74        | 20-125      |     |           |                 |
| Hexachloroethane                                       | 2650   | 330             | 65  | ug/kg | 3330        | ND                           | 79        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                                 | 3220   | 330             | 130 | ug/kg | 3330        | ND                           | 97        | 20-130      |     |           |                 |
| Isophorone   | 3190   | 330             | 60  | ug/kg | 3330        | ND                           | 96        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                                    | 3240   | 330             | 70  | ug/kg | 3330        | ND                           | 97        | 40-120      |     |           |                 |
| 2-Methylphenol   | 3370   | 330             | 80  | ug/kg | 3330        | ND                           | 101       | 40-120      |     |           |                 |
| 4-Methylphenol   | 3590   | 330             | 80  | ug/kg | 3330        | ND                           | 108       | 45-120      |     |           |                 |
| Naphthalene  | 3040   | 330             | 60  | ug/kg | 3330        | ND                           | 91        | 40-120      |     |           |                 |
| 2-Nitroaniline   | 3750   | 330             | 60  | ug/kg | 3330        | ND                           | 113       | 45-120      |     |           |                 |
| 3-Nitroaniline   | 3360   | 330             | 75  | ug/kg | 3330        | ND                           | 101       | 30-120      |     |           |                 |
| 4-Nitroaniline   | 3540   | 830             | 90  | ug/kg | 3330        | ND                           | 106       | 40-125      |     |           |                 |
| Nitrobenzene   | 3040   | 330             | 70  | ug/kg | 3330        | ND                           | 91        | 40-120      |     |           |                 |
| 2-Nitrophenol  | 3340   | 330             | 60  | ug/kg | 3330        | ND                           | 100       | 40-120      |     |           |                 |
| 4-Nitrophenol  | 3280   | 830             | 140 | ug/kg | 3330        | ND                           | 98        | 35-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                             | 3230   | 250             | 70  | ug/kg | 3330        | ND                           | 97        | 35-120      |     |           |                 |
| N-Nitrosodimethylamine                                 | 2540   | 330             | 55  | ug/kg | 3330        | ND                           | 76        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                                 | 3450   | 330             | 80  | ug/kg | 3330        | ND                           | 104       | 45-125      |     |           |                 |
| Pentachlorophenol                                      | 2790   | 830             | 150 | ug/kg | 3330        | ND                           | 84        | 30-120      |     |           |                 |
| Phenanthrene   | 3270   | 330             | 60  | ug/kg | 3330        | ND                           | 98        | 50-120      |     |           |                 |

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Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|------------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>                   |        |                 |     |       |             |                              |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (9H03041-MS1)</b>      |        |                 |     |       |             | <b>Source: ISG2199-08RE1</b> |           |             |     |           |                 |
| Phenol  | 3500   | 330             | 90  | ug/kg | 3330        | ND                           | 105       | 40-120      |     |           |                 |
| Pyrene  | 3630   | 330             | 80  | ug/kg | 3330        | ND                           | 109       | 40-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                      | 2900   | 330             | 50  | ug/kg | 3330        | ND                           | 87        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                       | 3490   | 330             | 130 | ug/kg | 3330        | ND                           | 105       | 45-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                       | 3500   | 330             | 75  | ug/kg | 3330        | ND                           | 105       | 45-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6760   |                 |     | ug/kg | 6670        |                              | 101       | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 3170   |                 |     | ug/kg | 3330        |                              | 95        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 6310   |                 |     | ug/kg | 6670        |                              | 95        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2990   |                 |     | ug/kg | 3330        |                              | 90        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 6560   |                 |     | ug/kg | 6670        |                              | 98        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 3760   |                 |     | ug/kg | 3330        |                              | 113       | 40-135      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (9H03041-MSD1)</b> |        |                 |     |       |             | <b>Source: ISG2199-08RE1</b> |           |             |     |           |                 |
| Acenaphthene  | 2880   | 330             | 60  | ug/kg | 3330        | ND                           | 86        | 45-120      | 8   | 25        |                 |
| Acenaphthylene  | 3110   | 330             | 70  | ug/kg | 3330        | ND                           | 93        | 45-120      | 8   | 20        |                 |
| Aniline   | 1950   | 420             | 85  | ug/kg | 3330        | ND                           | 59        | 25-120      | 15  | 30        |                 |
| Anthracene  | 3290   | 330             | 80  | ug/kg | 3330        | ND                           | 99        | 55-120      | 3   | 25        |                 |
| Benzidine   | ND     | 660             | 660 | ug/kg | 3330        | ND                           |           | 20-120      |     | 30        | M2              |
| Benzo(a)anthracene  | 3350   | 330             | 70  | ug/kg | 3330        | ND                           | 100       | 50-120      | 0   | 25        |                 |
| Benzo(a)pyrene  | 3680   | 330             | 55  | ug/kg | 3330        | ND                           | 110       | 45-125      | 0   | 25        |                 |
| Benzo(b)fluoranthene  | 3750   | 330             | 50  | ug/kg | 3330        | ND                           | 112       | 45-125      | 1   | 30        |                 |
| Benzo(g,h,i)perylene  | 4280   | 330             | 110 | ug/kg | 3330        | ND                           | 129       | 25-130      | 0   | 30        |                 |
| Benzo(k)fluoranthene  | 3830   | 330             | 70  | ug/kg | 3330        | ND                           | 115       | 45-125      | 1   | 30        |                 |
| Benzoic acid  | 893    | 830             | 150 | ug/kg | 3330        | ND                           | 27        | 20-120      | 19  | 30        |                 |
| Benzyl alcohol  | 3030   | 330             | 200 | ug/kg | 3330        | ND                           | 91        | 20-120      | 15  | 30        |                 |
| 4-Bromophenyl phenyl ether                                  | 3120   | 330             | 75  | ug/kg | 3330        | ND                           | 94        | 45-120      | 7   | 20        |                 |
| Butyl benzyl phthalate                                      | 3900   | 330             | 80  | ug/kg | 3330        | ND                           | 117       | 45-125      | 1   | 25        |                 |
| 4-Chloro-3-methylphenol                                     | 3490   | 330             | 70  | ug/kg | 3330        | ND                           | 105       | 50-125      | 7   | 25        |                 |
| 4-Chloroaniline   | 2690   | 330             | 120 | ug/kg | 3330        | ND                           | 81        | 20-120      | 1   | 30        |                 |
| Bis(2-chloroethoxy)methane                                  | 2790   | 330             | 70  | ug/kg | 3330        | ND                           | 84        | 45-120      | 12  | 25        |                 |
| Bis(2-chloroethyl)ether                                     | 2720   | 170             | 60  | ug/kg | 3330        | ND                           | 82        | 35-110      | 15  | 25        |                 |
| Bis(2-chloroisopropyl)ether                                 | 2370   | 330             | 60  | ug/kg | 3330        | ND                           | 71        | 40-120      | 18  | 25        |                 |
| Bis(2-ethylhexyl)phthalate                                  | 4220   | 330             | 90  | ug/kg | 3330        | ND                           | 127       | 45-130      | 1   | 25        |                 |
| 2-Chloronaphthalene   | 2920   | 330             | 65  | ug/kg | 3330        | ND                           | 88        | 45-120      | 10  | 20        |                 |
| 2-Chlorophenol  | 2880   | 330             | 70  | ug/kg | 3330        | ND                           | 86        | 40-120      | 15  | 20        |                 |
| 4-Chlorophenyl phenyl ether                                 | 3070   | 330             | 85  | ug/kg | 3330        | ND                           | 92        | 50-120      | 5   | 25        |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|------------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>                   |        |                 |     |       |             |                              |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (9H03041-MSD1)</b> |        |                 |     |       |             | <b>Source: ISG2199-08RE1</b> |           |             |     |           |                 |
| Chrysene  | 3390   | 330             | 75  | ug/kg | 3330        | ND                           | 102       | 55-120      | 0   | 25        |                 |
| Dibenz(a,h)anthracene                                       | 3450   | 420             | 100 | ug/kg | 3330        | ND                           | 104       | 25-135      | 1   | 30        |                 |
| Dibenzofuran  | 3100   | 330             | 60  | ug/kg | 3330        | ND                           | 93        | 50-120      | 7   | 25        |                 |
| Di-n-butyl phthalate  | 3680   | 330             | 90  | ug/kg | 3330        | ND                           | 110       | 50-125      | 1   | 25        |                 |
| 1,2-Dichlorobenzene   | 2230   | 330             | 60  | ug/kg | 3330        | ND                           | 67        | 40-120      | 21  | 25        |                 |
| 1,3-Dichlorobenzene   | 2080   | 330             | 90  | ug/kg | 3330        | ND                           | 62        | 35-120      | 22  | 25        |                 |
| 1,4-Dichlorobenzene   | 2140   | 330             | 65  | ug/kg | 3330        | ND                           | 64        | 35-120      | 21  | 25        |                 |
| 3,3'-Dichlorobenzidine                                      | 2910   | 830             | 150 | ug/kg | 3330        | ND                           | 87        | 20-130      | 2   | 25        |                 |
| 2,4-Dichlorophenol  | 3140   | 330             | 60  | ug/kg | 3330        | ND                           | 94        | 45-120      | 12  | 25        |                 |
| Diethyl phthalate   | 3420   | 330             | 95  | ug/kg | 3330        | ND                           | 102       | 50-125      | 2   | 25        |                 |
| 2,4-Dimethylphenol  | 2330   | 330             | 100 | ug/kg | 3330        | ND                           | 70        | 30-120      | 17  | 25        |                 |
| Dimethyl phthalate  | 3270   | 330             | 65  | ug/kg | 3330        | ND                           | 98        | 45-125      | 5   | 25        |                 |
| 4,6-Dinitro-2-methylphenol                                  | 2000   | 420             | 110 | ug/kg | 3330        | ND                           | 60        | 35-120      | 7   | 25        |                 |
| 2,4-Dinitrophenol   | 907    | 660             | 110 | ug/kg | 3330        | ND                           | 27        | 20-120      | 9   | 25        |                 |
| 2,4-Dinitrotoluene  | 3510   | 330             | 80  | ug/kg | 3330        | ND                           | 105       | 50-125      | 1   | 25        |                 |
| 2,6-Dinitrotoluene  | 3390   | 330             | 95  | ug/kg | 3330        | ND                           | 102       | 50-125      | 4   | 20        |                 |
| Di-n-octyl phthalate  | 4350   | 330             | 90  | ug/kg | 3330        | ND                           | 131       | 50-135      | 1   | 25        |                 |
| 1,2-Diphenylhydrazine/Azobenzene                            | 3440   | 330             | 60  | ug/kg | 3330        | ND                           | 103       | 50-125      | 3   | 25        |                 |
| Fluoranthene  | 3330   | 330             | 70  | ug/kg | 3330        | ND                           | 100       | 45-120      | 0   | 25        |                 |
| Fluorene  | 3170   | 330             | 70  | ug/kg | 3330        | ND                           | 95        | 50-120      | 4   | 25        |                 |
| Hexachlorobenzene   | 3110   | 330             | 70  | ug/kg | 3330        | ND                           | 93        | 50-120      | 6   | 25        |                 |
| Hexachlorobutadiene   | 2470   | 330             | 60  | ug/kg | 3330        | ND                           | 74        | 40-120      | 15  | 25        |                 |
| Hexachlorocyclopentadiene                                   | 2010   | 830             | 90  | ug/kg | 3330        | ND                           | 60        | 20-125      | 21  | 30        |                 |
| Hexachloroethane  | 2090   | 330             | 65  | ug/kg | 3330        | ND                           | 63        | 35-120      | 24  | 30        |                 |
| Indeno(1,2,3-cd)pyrene                                      | 3260   | 330             | 130 | ug/kg | 3330        | ND                           | 98        | 20-130      | 1   | 30        |                 |
| Isophorone  | 2830   | 330             | 60  | ug/kg | 3330        | ND                           | 85        | 40-120      | 12  | 25        |                 |
| 2-Methylnaphthalene   | 2870   | 330             | 70  | ug/kg | 3330        | ND                           | 86        | 40-120      | 12  | 20        |                 |
| 2-Methylphenol  | 2890   | 330             | 80  | ug/kg | 3330        | ND                           | 87        | 40-120      | 15  | 25        |                 |
| 4-Methylphenol  | 3020   | 330             | 80  | ug/kg | 3330        | ND                           | 91        | 45-120      | 17  | 25        |                 |
| Naphthalene   | 2690   | 330             | 60  | ug/kg | 3330        | ND                           | 81        | 40-120      | 12  | 25        |                 |
| 2-Nitroaniline  | 3610   | 330             | 60  | ug/kg | 3330        | ND                           | 108       | 45-120      | 4   | 25        |                 |
| 3-Nitroaniline  | 3520   | 330             | 75  | ug/kg | 3330        | ND                           | 106       | 30-120      | 5   | 25        |                 |
| 4-Nitroaniline  | 3710   | 830             | 90  | ug/kg | 3330        | ND                           | 111       | 40-125      | 5   | 30        |                 |
| Nitrobenzene  | 2680   | 330             | 70  | ug/kg | 3330        | ND                           | 80        | 40-120      | 13  | 25        |                 |
| 2-Nitrophenol   | 2940   | 330             | 60  | ug/kg | 3330        | ND                           | 88        | 40-120      | 13  | 25        |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|------------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03041 Extracted: 08/03/09</b>                   |        |                 |     |       |             |                              |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (9H03041-MSD1)</b> |        |                 |     |       |             | <b>Source: ISG2199-08RE1</b> |           |             |     |           |                 |
| 4-Nitrophenol   | 3440   | 830             | 140 | ug/kg | 3330        | ND                           | 103       | 35-125      | 5   | 30        |                 |
| N-Nitroso-di-n-propylamine                                  | 2700   | 250             | 70  | ug/kg | 3330        | ND                           | 81        | 35-120      | 18  | 25        |                 |
| N-Nitrosodimethylamine                                      | 2320   | 330             | 55  | ug/kg | 3330        | ND                           | 70        | 25-125      | 9   | 25        |                 |
| N-Nitrosodiphenylamine                                      | 3290   | 330             | 80  | ug/kg | 3330        | ND                           | 99        | 45-125      | 5   | 25        |                 |
| Pentachlorophenol   | 2710   | 830             | 150 | ug/kg | 3330        | ND                           | 81        | 30-120      | 3   | 25        |                 |
| Phenanthrene  | 3180   | 330             | 60  | ug/kg | 3330        | ND                           | 96        | 50-120      | 3   | 25        |                 |
| Phenol  | 3070   | 330             | 90  | ug/kg | 3330        | ND                           | 92        | 40-120      | 13  | 25        |                 |
| Pyrene  | 3540   | 330             | 80  | ug/kg | 3330        | ND                           | 106       | 40-125      | 3   | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 2530   | 330             | 50  | ug/kg | 3330        | ND                           | 76        | 40-120      | 14  | 25        |                 |
| 2,4,5-Trichlorophenol                                       | 3300   | 330             | 130 | ug/kg | 3330        | ND                           | 99        | 45-120      | 5   | 20        |                 |
| 2,4,6-Trichlorophenol                                       | 3220   | 330             | 75  | ug/kg | 3330        | ND                           | 97        | 45-120      | 8   | 25        |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6410   |                 |     | ug/kg | 6670        |                              | 96        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2820   |                 |     | ug/kg | 3330        |                              | 85        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5510   |                 |     | ug/kg | 6670        |                              | 83        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2640   |                 |     | ug/kg | 3330        |                              | 79        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5620   |                 |     | ug/kg | 6670        |                              | 84        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 3650   |                 |     | ug/kg | 3330        |                              | 110       | 40-135      |     |           |                 |

#### **Batch: 9H04147 Extracted: 08/04/09**

#### **Blank Analyzed: 08/05/2009 (9H04147-BLK1)**

|                            |    |     |     |       |  |  |  |  |  |  |  |
|----------------------------|----|-----|-----|-------|--|--|--|--|--|--|--|
| Acenaphthene               | ND | 330 | 79  | ug/kg |  |  |  |  |  |  |  |
| Acenaphthylene             | ND | 330 | 110 | ug/kg |  |  |  |  |  |  |  |
| Aniline                    | ND | 420 | 85  | ug/kg |  |  |  |  |  |  |  |
| Anthracene                 | ND | 330 | 80  | ug/kg |  |  |  |  |  |  |  |
| Benzidine                  | ND | 660 | 120 | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)anthracene         | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)pyrene             | ND | 330 | 55  | ug/kg |  |  |  |  |  |  |  |
| Benzo(b)fluoranthene       | ND | 330 | 98  | ug/kg |  |  |  |  |  |  |  |
| Benzo(g,h,i)perylene       | ND | 330 | 140 | ug/kg |  |  |  |  |  |  |  |
| Benzo(k)fluoranthene       | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Benzoic acid               | ND | 830 | 150 | ug/kg |  |  |  |  |  |  |  |
| Benzyl alcohol             | ND | 330 | 200 | ug/kg |  |  |  |  |  |  |  |
| 4-Bromophenyl phenyl ether | ND | 330 | 75  | ug/kg |  |  |  |  |  |  |  |
| Butyl benzyl phthalate     | ND | 330 | 110 | ug/kg |  |  |  |  |  |  |  |
| 4-Chloro-3-methylphenol    | ND | 330 | 130 | ug/kg |  |  |  |  |  |  |  |

#### **TestAmerica Irvine**

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Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limit | RPD RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------|---------|-------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>        |        |                 |     |       |             |               |           |       |         |       |                 |
| <b>Blank Analyzed: 08/05/2009 (9H04147-BLK1)</b> |        |                 |     |       |             |               |           |       |         |       |                 |
| 4-Chloroaniline                                  | ND     | 330             | 120 | ug/kg |             |               |           |       |         |       |                 |
| Bis(2-chloroethoxy)methane                       | ND     | 330             | 100 | ug/kg |             |               |           |       |         |       |                 |
| Bis(2-chloroethyl)ether                          | ND     | 170             | 130 | ug/kg |             |               |           |       |         |       |                 |
| Bis(2-chloroisopropyl)ether                      | ND     | 330             | 140 | ug/kg |             |               |           |       |         |       |                 |
| Bis(2-ethylhexyl)phthalate                       | ND     | 330             | 98  | ug/kg |             |               |           |       |         |       |                 |
| 2-Chloronaphthalene                              | ND     | 330             | 65  | ug/kg |             |               |           |       |         |       |                 |
| 2-Chlorophenol                                   | ND     | 330             | 70  | ug/kg |             |               |           |       |         |       |                 |
| 4-Chlorophenyl phenyl ether                      | ND     | 330             | 85  | ug/kg |             |               |           |       |         |       |                 |
| Chrysene   | ND     | 330             | 75  | ug/kg |             |               |           |       |         |       |                 |
| Dibenz(a,h)anthracene                            | ND     | 420             | 140 | ug/kg |             |               |           |       |         |       |                 |
| Dibenzofuran                                     | ND     | 330             | 110 | ug/kg |             |               |           |       |         |       |                 |
| Di-n-butyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |       |         |       |                 |
| 1,2-Dichlorobenzene                              | ND     | 330             | 180 | ug/kg |             |               |           |       |         |       |                 |
| 1,3-Dichlorobenzene                              | ND     | 330             | 190 | ug/kg |             |               |           |       |         |       |                 |
| 1,4-Dichlorobenzene                              | ND     | 330             | 65  | ug/kg |             |               |           |       |         |       |                 |
| 3,3'-Dichlorobenzidine                           | ND     | 830             | 97  | ug/kg |             |               |           |       |         |       |                 |
| 2,4-Dichlorophenol                               | ND     | 330             | 110 | ug/kg |             |               |           |       |         |       |                 |
| Diethyl phthalate                                | ND     | 330             | 95  | ug/kg |             |               |           |       |         |       |                 |
| 2,4-Dimethylphenol                               | ND     | 330             | 87  | ug/kg |             |               |           |       |         |       |                 |
| Dimethyl phthalate                               | ND     | 330             | 65  | ug/kg |             |               |           |       |         |       |                 |
| 4,6-Dinitro-2-methylphenol                       | ND     | 420             | 110 | ug/kg |             |               |           |       |         |       |                 |
| 2,4-Dinitrophenol                                | ND     | 660             | 110 | ug/kg |             |               |           |       |         |       |                 |
| 2,4-Dinitrotoluene                               | ND     | 330             | 130 | ug/kg |             |               |           |       |         |       |                 |
| 2,6-Dinitrotoluene                               | ND     | 330             | 95  | ug/kg |             |               |           |       |         |       |                 |
| Di-n-octyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |       |         |       |                 |
| 1,2-Diphenylhydrazine/Azobenzene                 | ND     | 330             | 110 | ug/kg |             |               |           |       |         |       |                 |
| Fluoranthene                                     | ND     | 330             | 100 | ug/kg |             |               |           |       |         |       |                 |
| Fluorene   | ND     | 330             | 110 | ug/kg |             |               |           |       |         |       |                 |
| Hexachlorobenzene                                | ND     | 330             | 69  | ug/kg |             |               |           |       |         |       |                 |
| Hexachlorobutadiene                              | ND     | 330             | 100 | ug/kg |             |               |           |       |         |       |                 |
| Hexachlorocyclopentadiene                        | ND     | 830             | 90  | ug/kg |             |               |           |       |         |       |                 |
| Hexachloroethane                                 | ND     | 330             | 65  | ug/kg |             |               |           |       |         |       |                 |
| Indeno(1,2,3-cd)pyrene                           | ND     | 330             | 120 | ug/kg |             |               |           |       |         |       |                 |
| Isophorone                                       | ND     | 330             | 60  | ug/kg |             |               |           |       |         |       |                 |
| 2-Methylnaphthalene                              | ND     | 330             | 98  | ug/kg |             |               |           |       |         |       |                 |

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ELV  
Report Number: ISG2199

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Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 08/05/2009 (9H04147-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| 2-Methylphenol                                   | ND     | 330             | 140 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 330             | 100 | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitroaniline                                   | ND     | 330             | 160 | ug/kg |             |               |           |             |         |           |                 |
| 3-Nitroaniline                                   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitroaniline                                   | ND     | 830             | 140 | ug/kg |             |               |           |             |         |           |                 |
| Nitrobenzene                                     | ND     | 330             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitrophenol                                    | ND     | 330             | 120 | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitrophenol                                    | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| N-Nitroso-di-n-propylamine                       | ND     | 250             | 110 | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodimethylamine                           | ND     | 330             | 55  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodiphenylamine                           | ND     | 330             | 110 | ug/kg |             |               |           |             |         |           |                 |
| Pentachlorophenol                                | ND     | 830             | 130 | ug/kg |             |               |           |             |         |           |                 |
| Phenanthrene                                     | ND     | 330             | 92  | ug/kg |             |               |           |             |         |           |                 |
| Phenol   | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Pyrene   | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 330             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4,5-Trichlorophenol                            | ND     | 330             | 140 | ug/kg |             |               |           |             |         |           |                 |
| 2,4,6-Trichlorophenol                            | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 2,4,6-Tribromophenol                  | 5290   |                 |     | ug/kg | 6670        |               | 79        | 35-125      |         |           |                 |
| Surrogate: 2-Fluorobiphenyl                      | 2440   |                 |     | ug/kg | 3330        |               | 73        | 35-120      |         |           |                 |
| Surrogate: 2-Fluorophenol                        | 5280   |                 |     | ug/kg | 6670        |               | 79        | 25-120      |         |           |                 |
| Surrogate: Nitrobenzene-d5                       | 2410   |                 |     | ug/kg | 3330        |               | 72        | 30-120      |         |           |                 |
| Surrogate: Phenol-d6                             | 5080   |                 |     | ug/kg | 6670        |               | 76        | 35-120      |         |           |                 |
| Surrogate: Terphenyl-d14                         | 2850   |                 |     | ug/kg | 3330        |               | 86        | 40-135      |         |           |                 |
| <b>LCS Analyzed: 08/05/2009 (9H04147-BS1)</b>    |        |                 |     |       |             |               |           |             |         |           |                 |
| Acenaphthene                                     | 2160   | 330             | 79  | ug/kg | 3330        |               | 65        | 50-120      |         |           |                 |
| Acenaphthylene                                   | 2260   | 330             | 110 | ug/kg | 3330        |               | 68        | 50-120      |         |           |                 |
| Aniline  | 2170   | 420             | 85  | ug/kg | 3330        |               | 65        | 25-120      |         |           |                 |
| Anthracene                                       | 2340   | 330             | 80  | ug/kg | 3330        |               | 70        | 55-120      |         |           |                 |
| Benzidine  | 1620   | 660             | 120 | ug/kg | 3330        |               | 49        | 10-120      |         |           |                 |
| Benzo(a)anthracene                               | 2570   | 330             | 70  | ug/kg | 3330        |               | 77        | 60-120      |         |           |                 |
| Benzo(a)pyrene                                   | 2530   | 330             | 55  | ug/kg | 3330        |               | 76        | 55-120      |         |           |                 |
| Benzo(b)fluoranthene                             | 2390   | 330             | 98  | ug/kg | 3330        |               | 72        | 55-120      |         |           |                 |
| Benzo(g,h,i)perylene                             | 2750   | 330             | 140 | ug/kg | 3330        |               | 83        | 35-120      |         |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/05/2009 (9H04147-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Benzo(k)fluoranthene                          | 2700   | 330             | 70  | ug/kg | 3330        |               | 81        | 50-120      |     |           |                 |
| Benzoic acid                                  | 1990   | 830             | 150 | ug/kg | 3330        |               | 60        | 20-120      |     |           |                 |
| Benzyl alcohol                                | 2020   | 330             | 200 | ug/kg | 3330        |               | 61        | 35-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                    | 2310   | 330             | 75  | ug/kg | 3330        |               | 69        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                        | 2650   | 330             | 110 | ug/kg | 3330        |               | 80        | 55-120      |     |           |                 |
| 4-Chloro-3-methylphenol                       | 2470   | 330             | 130 | ug/kg | 3330        |               | 74        | 50-120      |     |           |                 |
| 4-Chloroaniline                               | 1910   | 330             | 120 | ug/kg | 3330        |               | 57        | 15-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                    | 2220   | 330             | 100 | ug/kg | 3330        |               | 67        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                       | 2060   | 170             | 130 | ug/kg | 3330        |               | 62        | 35-120      |     |           |                 |
| Bis(2-chloroisopropyl)ether                   | 2150   | 330             | 140 | ug/kg | 3330        |               | 64        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                    | 2600   | 330             | 98  | ug/kg | 3330        |               | 78        | 55-120      |     |           |                 |
| 2-Chloronaphthalene                           | 2210   | 330             | 65  | ug/kg | 3330        |               | 66        | 45-120      |     |           |                 |
| 2-Chlorophenol                                | 2220   | 330             | 70  | ug/kg | 3330        |               | 67        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                   | 2190   | 330             | 85  | ug/kg | 3330        |               | 66        | 55-120      |     |           |                 |
| Chrysene                                      | 2650   | 330             | 75  | ug/kg | 3330        |               | 79        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                         | 2500   | 420             | 140 | ug/kg | 3330        |               | 75        | 35-120      |     |           |                 |
| Dibenzofuran                                  | 2250   | 330             | 110 | ug/kg | 3330        |               | 68        | 55-120      |     |           |                 |
| Di-n-butyl phthalate                          | 2490   | 330             | 90  | ug/kg | 3330        |               | 75        | 55-120      |     |           |                 |
| 1,2-Dichlorobenzene                           | 1940   | 330             | 180 | ug/kg | 3330        |               | 58        | 35-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 1800   | 330             | 190 | ug/kg | 3330        |               | 54        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                           | 1850   | 330             | 65  | ug/kg | 3330        |               | 55        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                        | 2100   | 830             | 97  | ug/kg | 3330        |               | 63        | 20-120      |     |           |                 |
| 2,4-Dichlorophenol                            | 2410   | 330             | 110 | ug/kg | 3330        |               | 72        | 45-120      |     |           |                 |
| Diethyl phthalate                             | 2360   | 330             | 95  | ug/kg | 3330        |               | 71        | 50-120      |     |           |                 |
| 2,4-Dimethylphenol                            | 2350   | 330             | 87  | ug/kg | 3330        |               | 71        | 40-120      |     |           |                 |
| Dimethyl phthalate                            | 2370   | 330             | 65  | ug/kg | 3330        |               | 71        | 55-120      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                    | 2350   | 420             | 110 | ug/kg | 3330        |               | 71        | 40-120      |     |           |                 |
| 2,4-Dinitrophenol                             | 2100   | 660             | 110 | ug/kg | 3330        |               | 63        | 15-120      |     |           |                 |
| 2,4-Dinitrotoluene                            | 2490   | 330             | 130 | ug/kg | 3330        |               | 75        | 55-120      |     |           |                 |
| 2,6-Dinitrotoluene                            | 2330   | 330             | 95  | ug/kg | 3330        |               | 70        | 55-120      |     |           |                 |
| Di-n-octyl phthalate                          | 2680   | 330             | 90  | ug/kg | 3330        |               | 80        | 55-120      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene              | 2280   | 330             | 110 | ug/kg | 3330        |               | 68        | 55-125      |     |           |                 |
| Fluoranthene                                  | 2530   | 330             | 100 | ug/kg | 3330        |               | 76        | 55-120      |     |           |                 |
| Fluorene                                      | 2220   | 330             | 110 | ug/kg | 3330        |               | 67        | 55-120      |     |           |                 |
| Hexachlorobenzene                             | 2280   | 330             | 69  | ug/kg | 3330        |               | 68        | 50-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/05/2009 (9H04147-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Hexachlorobutadiene                           | 1970   | 330             | 100 | ug/kg | 3330        |               | 59        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                     | 1840   | 830             | 90  | ug/kg | 3330        |               | 55        | 35-120      |     |           |                 |
| Hexachloroethane                              | 1690   | 330             | 65  | ug/kg | 3330        |               | 51        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                        | 2470   | 330             | 120 | ug/kg | 3330        |               | 74        | 25-150      |     |           |                 |
| Isophorone                                    | 2230   | 330             | 60  | ug/kg | 3330        |               | 67        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                           | 2140   | 330             | 98  | ug/kg | 3330        |               | 64        | 45-120      |     |           |                 |
| 2-Methylphenol                                | 2400   | 330             | 140 | ug/kg | 3330        |               | 72        | 40-120      |     |           |                 |
| 4-Methylphenol                                | 2470   | 330             | 80  | ug/kg | 3330        |               | 74        | 45-120      |     |           |                 |
| Naphthalene                                   | 2050   | 330             | 100 | ug/kg | 3330        |               | 62        | 45-120      |     |           |                 |
| 2-Nitroaniline                                | 2530   | 330             | 160 | ug/kg | 3330        |               | 76        | 50-120      |     |           |                 |
| 3-Nitroaniline                                | 2350   | 330             | 75  | ug/kg | 3330        |               | 70        | 35-120      |     |           |                 |
| 4-Nitroaniline                                | 2580   | 830             | 140 | ug/kg | 3330        |               | 77        | 45-120      |     |           |                 |
| Nitrobenzene                                  | 2140   | 330             | 110 | ug/kg | 3330        |               | 64        | 40-120      |     |           |                 |
| 2-Nitrophenol                                 | 2220   | 330             | 120 | ug/kg | 3330        |               | 67        | 45-120      |     |           |                 |
| 4-Nitrophenol                                 | 2350   | 830             | 150 | ug/kg | 3330        |               | 71        | 40-120      |     |           |                 |
| N-Nitroso-di-n-propylamine                    | 2240   | 250             | 110 | ug/kg | 3330        |               | 67        | 40-120      |     |           |                 |
| N-Nitrosodimethylamine                        | 1810   | 330             | 55  | ug/kg | 3330        |               | 54        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                        | 2330   | 330             | 110 | ug/kg | 3330        |               | 70        | 50-120      |     |           |                 |
| Pentachlorophenol                             | 2460   | 830             | 130 | ug/kg | 3330        |               | 74        | 40-125      |     |           |                 |
| Phenanthrene                                  | 2340   | 330             | 92  | ug/kg | 3330        |               | 70        | 50-120      |     |           |                 |
| Phenol  | 2420   | 330             | 90  | ug/kg | 3330        |               | 72        | 35-120      |     |           |                 |
| Pyrene  | 2560   | 330             | 130 | ug/kg | 3330        |               | 77        | 50-120      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 2020   | 330             | 110 | ug/kg | 3330        |               | 61        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                         | 2410   | 330             | 140 | ug/kg | 3330        |               | 72        | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                         | 2360   | 330             | 75  | ug/kg | 3330        |               | 71        | 50-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol               | 5120   |                 |     | ug/kg | 6670        |               | 77        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                   | 2180   |                 |     | ug/kg | 3330        |               | 65        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                     | 4710   |                 |     | ug/kg | 6670        |               | 71        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                    | 2060   |                 |     | ug/kg | 3330        |               | 62        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                          | 4850   |                 |     | ug/kg | 6670        |               | 73        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                      | 2560   |                 |     | ug/kg | 3330        |               | 77        | 40-135      |     |           |                 |

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>              |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/05/2009 (9H04147-MS1)</b> |        |                 |     |       | <b>Source: ISH0221-22</b> |               |           |             |     |           |                 |
| Acenaphthene   | 2350   | 330             | 79  | ug/kg | 3330                      | ND            | 70        | 45-120      |     |           |                 |
| Acenaphthylene   | 2540   | 330             | 110 | ug/kg | 3330                      | ND            | 76        | 45-120      |     |           |                 |
| Aniline  | 1120   | 420             | 85  | ug/kg | 3330                      | ND            | 34        | 25-110      |     |           |                 |
| Anthracene   | 2590   | 330             | 80  | ug/kg | 3330                      | ND            | 78        | 55-120      |     |           |                 |
| Benzidine  | ND     | 660             | 120 | ug/kg | 3330                      | ND            |           | 10-120      |     |           | M2              |
| Benzo(a)anthracene                                     | 2500   | 330             | 70  | ug/kg | 3330                      | ND            | 75        | 50-120      |     |           |                 |
| Benzo(a)pyrene   | 2680   | 330             | 55  | ug/kg | 3330                      | ND            | 80        | 55-120      |     |           |                 |
| Benzo(b)fluoranthene                                   | 2630   | 330             | 98  | ug/kg | 3330                      | ND            | 79        | 55-120      |     |           |                 |
| Benzo(g,h,i)perylene                                   | 3080   | 330             | 140 | ug/kg | 3330                      | ND            | 92        | 30-120      |     |           |                 |
| Benzo(k)fluoranthene                                   | 2870   | 330             | 70  | ug/kg | 3330                      | ND            | 86        | 50-120      |     |           |                 |
| Benzoic acid   | 1320   | 830             | 150 | ug/kg | 3330                      | ND            | 40        | 15-120      |     |           |                 |
| Benzyl alcohol   | ND     | 330             | 200 | ug/kg | 3330                      | ND            |           | 30-120      |     |           | M2              |
| 4-Bromophenyl phenyl ether                             | 2580   | 330             | 75  | ug/kg | 3330                      | ND            | 77        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                                 | 3020   | 330             | 110 | ug/kg | 3330                      | ND            | 90        | 50-120      |     |           |                 |
| 4-Chloro-3-methylphenol                                | 2730   | 330             | 130 | ug/kg | 3330                      | ND            | 82        | 50-120      |     |           |                 |
| 4-Chloroaniline  | 1320   | 330             | 120 | ug/kg | 3330                      | ND            | 40        | 10-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                             | 2360   | 330             | 100 | ug/kg | 3330                      | ND            | 71        | 40-120      |     |           |                 |
| Bis(2-chloroethyl)ether                                | 2500   | 170             | 130 | ug/kg | 3330                      | ND            | 75        | 35-110      |     |           |                 |
| Bis(2-chloroisopropyl)ether                            | 2180   | 330             | 140 | ug/kg | 3330                      | ND            | 65        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                             | 3300   | 330             | 98  | ug/kg | 3330                      | 108           | 96        | 50-120      |     |           |                 |
| 2-Chloronaphthalene                                    | 2460   | 330             | 65  | ug/kg | 3330                      | ND            | 74        | 45-120      |     |           |                 |
| 2-Chlorophenol   | 2620   | 330             | 70  | ug/kg | 3330                      | ND            | 79        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                            | 2420   | 330             | 85  | ug/kg | 3330                      | ND            | 73        | 50-120      |     |           |                 |
| Chrysene   | 2550   | 330             | 75  | ug/kg | 3330                      | ND            | 77        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                                  | 2530   | 420             | 140 | ug/kg | 3330                      | ND            | 76        | 25-120      |     |           |                 |
| Dibenzofuran   | 2450   | 330             | 110 | ug/kg | 3330                      | ND            | 73        | 55-120      |     |           |                 |
| Di-n-butyl phthalate                                   | 2750   | 330             | 90  | ug/kg | 3330                      | ND            | 82        | 50-120      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 2220   | 330             | 180 | ug/kg | 3330                      | ND            | 67        | 35-120      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 2100   | 330             | 190 | ug/kg | 3330                      | ND            | 63        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                                    | 2120   | 330             | 65  | ug/kg | 3330                      | ND            | 64        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                                 | 1890   | 830             | 97  | ug/kg | 3330                      | ND            | 57        | 15-120      |     |           |                 |
| 2,4-Dichlorophenol                                     | 2680   | 330             | 110 | ug/kg | 3330                      | ND            | 80        | 45-120      |     |           |                 |
| Diethyl phthalate                                      | 2540   | 330             | 95  | ug/kg | 3330                      | ND            | 76        | 50-120      |     |           |                 |
| 2,4-Dimethylphenol                                     | 2230   | 330             | 87  | ug/kg | 3330                      | ND            | 67        | 35-120      |     |           |                 |
| Dimethyl phthalate                                     | 2580   | 330             | 65  | ug/kg | 3330                      | ND            | 77        | 45-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>              |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/05/2009 (9H04147-MS1)</b> |        |                 |     |       | <b>Source: ISH0221-22</b> |               |           |             |     |           |                 |
| 4,6-Dinitro-2-methylphenol                             | 2360   | 420             | 110 | ug/kg | 3330                      | ND            | 71        | 15-120      |     |           |                 |
| 2,4-Dinitrophenol                                      | 2000   | 660             | 110 | ug/kg | 3330                      | ND            | 60        | 10-120      |     |           |                 |
| 2,4-Dinitrotoluene                                     | 2600   | 330             | 130 | ug/kg | 3330                      | ND            | 78        | 50-120      |     |           |                 |
| 2,6-Dinitrotoluene                                     | 2680   | 330             | 95  | ug/kg | 3330                      | ND            | 80        | 50-120      |     |           |                 |
| Di-n-octyl phthalate                                   | 3240   | 330             | 90  | ug/kg | 3330                      | ND            | 97        | 45-120      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | 2380   | 330             | 110 | ug/kg | 3330                      | ND            | 71        | 50-125      |     |           |                 |
| Fluoranthene   | 2500   | 330             | 100 | ug/kg | 3330                      | ND            | 75        | 45-120      |     |           |                 |
| Fluorene   | 2460   | 330             | 110 | ug/kg | 3330                      | ND            | 74        | 50-120      |     |           |                 |
| Hexachlorobenzene                                      | 2560   | 330             | 69  | ug/kg | 3330                      | ND            | 77        | 40-120      |     |           |                 |
| Hexachlorobutadiene                                    | 2180   | 330             | 100 | ug/kg | 3330                      | ND            | 65        | 40-110      |     |           |                 |
| Hexachlorocyclopentadiene                              | 1930   | 830             | 90  | ug/kg | 3330                      | ND            | 58        | 20-120      |     |           |                 |
| Hexachloroethane                                       | 2130   | 330             | 65  | ug/kg | 3330                      | ND            | 64        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                                 | 2400   | 330             | 120 | ug/kg | 3330                      | ND            | 72        | 20-155      |     |           |                 |
| Isophorone   | 2370   | 330             | 60  | ug/kg | 3330                      | ND            | 71        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                                    | 2390   | 330             | 98  | ug/kg | 3330                      | ND            | 72        | 45-120      |     |           |                 |
| 2-Methylphenol   | 2580   | 330             | 140 | ug/kg | 3330                      | ND            | 78        | 40-120      |     |           |                 |
| 4-Methylphenol   | 2700   | 330             | 80  | ug/kg | 3330                      | ND            | 81        | 40-120      |     |           |                 |
| Naphthalene  | 2310   | 330             | 100 | ug/kg | 3330                      | ND            | 69        | 40-120      |     |           |                 |
| 2-Nitroaniline   | 2810   | 330             | 160 | ug/kg | 3330                      | ND            | 84        | 50-120      |     |           |                 |
| 3-Nitroaniline   | 2070   | 330             | 75  | ug/kg | 3330                      | ND            | 62        | 30-120      |     |           |                 |
| 4-Nitroaniline   | 2350   | 830             | 140 | ug/kg | 3330                      | ND            | 71        | 40-120      |     |           |                 |
| Nitrobenzene   | 2320   | 330             | 110 | ug/kg | 3330                      | ND            | 69        | 40-120      |     |           |                 |
| 2-Nitrophenol  | 2560   | 330             | 120 | ug/kg | 3330                      | ND            | 77        | 40-120      |     |           |                 |
| 4-Nitrophenol  | 704    | 830             | 150 | ug/kg | 3330                      | ND            | 21        | 35-120      |     |           | M2, J           |
| N-Nitroso-di-n-propylamine                             | 2410   | 250             | 110 | ug/kg | 3330                      | ND            | 72        | 35-120      |     |           |                 |
| N-Nitrosodimethylamine                                 | 2100   | 330             | 55  | ug/kg | 3330                      | ND            | 63        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                                 | 2660   | 330             | 110 | ug/kg | 3330                      | ND            | 80        | 50-120      |     |           |                 |
| Pentachlorophenol                                      | 2140   | 830             | 130 | ug/kg | 3330                      | ND            | 64        | 30-125      |     |           |                 |
| Phenanthrene   | 2510   | 330             | 92  | ug/kg | 3330                      | ND            | 75        | 50-120      |     |           |                 |
| Phenol   | 2690   | 330             | 90  | ug/kg | 3330                      | ND            | 81        | 35-120      |     |           |                 |
| Pyrene   | 2860   | 330             | 130 | ug/kg | 3330                      | ND            | 86        | 50-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | 2230   | 330             | 110 | ug/kg | 3330                      | ND            | 67        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                  | 2750   | 330             | 140 | ug/kg | 3330                      | ND            | 83        | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                  | 2670   | 330             | 75  | ug/kg | 3330                      | ND            | 80        | 40-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                        | 5590   |                 |     | ug/kg | 6670                      |               | 84        | 35-125      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>                   |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/05/2009 (9H04147-MS1)</b>      |        |                 |     |       | <b>Source: ISH0221-22</b> |               |           |             |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2390   |                 |     | ug/kg | 3330                      |               | 72        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5150   |                 |     | ug/kg | 6670                      |               | 77        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2260   |                 |     | ug/kg | 3330                      |               | 68        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 4980   |                 |     | ug/kg | 6670                      |               | 75        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 2860   |                 |     | ug/kg | 3330                      |               | 86        | 40-135      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/05/2009 (9H04147-MSD1)</b> |        |                 |     |       | <b>Source: ISH0221-22</b> |               |           |             |     |           |                 |
| Acenaphthene  | 2460   | 330             | 79  | ug/kg | 3330                      | ND            | 74        | 45-120      | 5   | 25        |                 |
| Acenaphthylene  | 2620   | 330             | 110 | ug/kg | 3330                      | ND            | 79        | 45-120      | 3   | 20        |                 |
| Aniline   | 1520   | 420             | 85  | ug/kg | 3330                      | ND            | 45        | 25-110      | 30  | 30        |                 |
| Anthracene  | 2780   | 330             | 80  | ug/kg | 3330                      | ND            | 84        | 55-120      | 7   | 25        |                 |
| Benzidine   | ND     | 660             | 120 | ug/kg | 3330                      | ND            |           | 10-120      |     | 30        | M2              |
| Benzo(a)anthracene  | 2710   | 330             | 70  | ug/kg | 3330                      | ND            | 81        | 50-120      | 8   | 25        |                 |
| Benzo(a)pyrene  | 2950   | 330             | 55  | ug/kg | 3330                      | ND            | 89        | 55-120      | 9   | 25        |                 |
| Benzo(b)fluoranthene  | 2810   | 330             | 98  | ug/kg | 3330                      | ND            | 84        | 55-120      | 7   | 30        |                 |
| Benzo(g,h,i)perylene  | 3450   | 330             | 140 | ug/kg | 3330                      | ND            | 103       | 30-120      | 11  | 30        |                 |
| Benzo(k)fluoranthene  | 3240   | 330             | 70  | ug/kg | 3330                      | ND            | 97        | 50-120      | 12  | 30        |                 |
| Benzoic acid  | 1170   | 830             | 150 | ug/kg | 3330                      | ND            | 35        | 15-120      | 12  | 30        |                 |
| Benzyl alcohol  | ND     | 330             | 200 | ug/kg | 3330                      | ND            |           | 30-120      |     | 30        | M2              |
| 4-Bromophenyl phenyl ether                                  | 2760   | 330             | 75  | ug/kg | 3330                      | ND            | 83        | 45-120      | 7   | 20        |                 |
| Butyl benzyl phthalate                                      | 3230   | 330             | 110 | ug/kg | 3330                      | ND            | 97        | 50-120      | 7   | 25        |                 |
| 4-Chloro-3-methylphenol                                     | 2870   | 330             | 130 | ug/kg | 3330                      | ND            | 86        | 50-120      | 5   | 25        |                 |
| 4-Chloroaniline   | 1620   | 330             | 120 | ug/kg | 3330                      | ND            | 48        | 10-120      | 20  | 30        |                 |
| Bis(2-chloroethoxy)methane                                  | 2360   | 330             | 100 | ug/kg | 3330                      | ND            | 71        | 40-120      | 0   | 25        |                 |
| Bis(2-chloroethyl)ether                                     | 2390   | 170             | 130 | ug/kg | 3330                      | ND            | 72        | 35-110      | 5   | 25        |                 |
| Bis(2-chloroisopropyl)ether                                 | 2150   | 330             | 140 | ug/kg | 3330                      | ND            | 64        | 40-120      | 1   | 25        |                 |
| Bis(2-ethylhexyl)phthalate                                  | 3560   | 330             | 98  | ug/kg | 3330                      | 108           | 104       | 50-120      | 8   | 25        |                 |
| 2-Chloronaphthalene   | 2520   | 330             | 65  | ug/kg | 3330                      | ND            | 76        | 45-120      | 2   | 20        |                 |
| 2-Chlorophenol  | 2480   | 330             | 70  | ug/kg | 3330                      | ND            | 74        | 40-120      | 5   | 20        |                 |
| 4-Chlorophenyl phenyl ether                                 | 2610   | 330             | 85  | ug/kg | 3330                      | ND            | 78        | 50-120      | 8   | 25        |                 |
| Chrysene  | 2730   | 330             | 75  | ug/kg | 3330                      | ND            | 82        | 55-120      | 7   | 25        |                 |
| Dibenz(a,h)anthracene                                       | 2800   | 420             | 140 | ug/kg | 3330                      | ND            | 84        | 25-120      | 10  | 30        |                 |
| Dibenzofuran  | 2610   | 330             | 110 | ug/kg | 3330                      | ND            | 78        | 55-120      | 6   | 25        |                 |
| Di-n-butyl phthalate  | 2970   | 330             | 90  | ug/kg | 3330                      | ND            | 89        | 50-120      | 8   | 25        |                 |
| 1,2-Dichlorobenzene   | 2140   | 330             | 180 | ug/kg | 3330                      | ND            | 64        | 35-120      | 3   | 25        |                 |
| 1,3-Dichlorobenzene   | 2010   | 330             | 190 | ug/kg | 3330                      | ND            | 60        | 35-120      | 5   | 25        |                 |

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### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level               | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|---------------------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>                   |        |                 |     |       |                           |               |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/05/2009 (9H04147-MSD1)</b> |        |                 |     |       | <b>Source: ISH0221-22</b> |               |           |             |     |           |                 |
| 1,4-Dichlorobenzene   | 2040   | 330             | 65  | ug/kg | 3330                      | ND            | 61        | 35-120      | 4   | 25        |                 |
| 3,3'-Dichlorobenzidine                                      | 2170   | 830             | 97  | ug/kg | 3330                      | ND            | 65        | 15-120      | 14  | 25        |                 |
| 2,4-Dichlorophenol  | 2690   | 330             | 110 | ug/kg | 3330                      | ND            | 81        | 45-120      | 1   | 25        |                 |
| Diethyl phthalate   | 2760   | 330             | 95  | ug/kg | 3330                      | ND            | 83        | 50-120      | 8   | 25        |                 |
| 2,4-Dimethylphenol  | 2130   | 330             | 87  | ug/kg | 3330                      | ND            | 64        | 35-120      | 4   | 25        |                 |
| Dimethyl phthalate  | 2730   | 330             | 65  | ug/kg | 3330                      | ND            | 82        | 45-120      | 6   | 25        |                 |
| 4,6-Dinitro-2-methylphenol                                  | 2430   | 420             | 110 | ug/kg | 3330                      | ND            | 73        | 15-120      | 3   | 25        |                 |
| 2,4-Dinitrophenol   | 2080   | 660             | 110 | ug/kg | 3330                      | ND            | 63        | 10-120      | 4   | 25        |                 |
| 2,4-Dinitrotoluene  | 2820   | 330             | 130 | ug/kg | 3330                      | ND            | 85        | 50-120      | 8   | 25        |                 |
| 2,6-Dinitrotoluene  | 2830   | 330             | 95  | ug/kg | 3330                      | ND            | 85        | 50-120      | 5   | 20        |                 |
| Di-n-octyl phthalate  | 3430   | 330             | 90  | ug/kg | 3330                      | ND            | 103       | 45-120      | 6   | 25        |                 |
| 1,2-Diphenylhydrazine/Azobenzene                            | 2580   | 330             | 110 | ug/kg | 3330                      | ND            | 77        | 50-125      | 8   | 25        |                 |
| Fluoranthene  | 2730   | 330             | 100 | ug/kg | 3330                      | ND            | 82        | 45-120      | 9   | 30        |                 |
| Fluorene  | 2630   | 330             | 110 | ug/kg | 3330                      | ND            | 79        | 50-120      | 7   | 25        |                 |
| Hexachlorobenzene   | 2730   | 330             | 69  | ug/kg | 3330                      | ND            | 82        | 40-120      | 7   | 25        |                 |
| Hexachlorobutadiene   | 2190   | 330             | 100 | ug/kg | 3330                      | ND            | 66        | 40-110      | 1   | 25        |                 |
| Hexachlorocyclopentadiene                                   | 1780   | 830             | 90  | ug/kg | 3330                      | ND            | 53        | 20-120      | 8   | 30        |                 |
| Hexachloroethane  | 2030   | 330             | 65  | ug/kg | 3330                      | ND            | 61        | 35-120      | 5   | 30        |                 |
| Indeno(1,2,3-cd)pyrene                                      | 2590   | 330             | 120 | ug/kg | 3330                      | ND            | 78        | 20-155      | 8   | 30        |                 |
| Isophorone  | 2410   | 330             | 60  | ug/kg | 3330                      | ND            | 72        | 40-120      | 2   | 20        |                 |
| 2-Methylnaphthalene   | 2440   | 330             | 98  | ug/kg | 3330                      | ND            | 73        | 45-120      | 2   | 20        |                 |
| 2-Methylphenol  | 2440   | 330             | 140 | ug/kg | 3330                      | ND            | 73        | 40-120      | 6   | 25        |                 |
| 4-Methylphenol  | 2640   | 330             | 80  | ug/kg | 3330                      | ND            | 79        | 40-120      | 2   | 25        |                 |
| Naphthalene   | 2310   | 330             | 100 | ug/kg | 3330                      | ND            | 69        | 40-120      | 0   | 25        |                 |
| 2-Nitroaniline  | 2920   | 330             | 160 | ug/kg | 3330                      | ND            | 88        | 50-120      | 4   | 25        |                 |
| 3-Nitroaniline  | 2440   | 330             | 75  | ug/kg | 3330                      | ND            | 73        | 30-120      | 16  | 25        |                 |
| 4-Nitroaniline  | 2640   | 830             | 140 | ug/kg | 3330                      | ND            | 79        | 40-120      | 12  | 30        |                 |
| Nitrobenzene  | 2350   | 330             | 110 | ug/kg | 3330                      | ND            | 71        | 40-120      | 2   | 25        |                 |
| 2-Nitrophenol   | 2510   | 330             | 120 | ug/kg | 3330                      | ND            | 75        | 40-120      | 2   | 25        |                 |
| 4-Nitrophenol   | 1790   | 830             | 150 | ug/kg | 3330                      | ND            | 54        | 35-120      | 87  | 30        | R-3             |
| N-Nitroso-di-n-propylamine                                  | 2370   | 250             | 110 | ug/kg | 3330                      | ND            | 71        | 35-120      | 2   | 25        |                 |
| N-Nitrosodimethylamine                                      | 1980   | 330             | 55  | ug/kg | 3330                      | ND            | 59        | 25-125      | 6   | 25        |                 |
| N-Nitrosodiphenylamine                                      | 2820   | 330             | 110 | ug/kg | 3330                      | ND            | 85        | 50-120      | 6   | 25        |                 |
| Pentachlorophenol   | 2230   | 830             | 130 | ug/kg | 3330                      | ND            | 67        | 30-125      | 4   | 25        |                 |
| Phenanthrene  | 2740   | 330             | 92  | ug/kg | 3330                      | ND            | 82        | 50-120      | 9   | 25        |                 |

#### TestAmerica Irvine

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ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04147 Extracted: 08/04/09</b>                   |        |                 |     |       |             |                           |      |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/05/2009 (9H04147-MSD1)</b> |        |                 |     |       |             | <b>Source: ISH0221-22</b> |      |             |     |           |                 |
| Phenol  | 2570   | 330             | 90  | ug/kg | 3330        | ND                        | 77   | 35-120      | 4   | 25        |                 |
| Pyrene  | 3030   | 330             | 130 | ug/kg | 3330        | ND                        | 91   | 50-125      | 6   | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 2220   | 330             | 110 | ug/kg | 3330        | ND                        | 67   | 40-120      | 0   | 25        |                 |
| 2,4,5-Trichlorophenol                                       | 2780   | 330             | 140 | ug/kg | 3330        | ND                        | 83   | 50-120      | 1   | 20        |                 |
| 2,4,6-Trichlorophenol                                       | 2690   | 330             | 75  | ug/kg | 3330        | ND                        | 81   | 40-120      | 1   | 25        |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 5810   |                 |     | ug/kg | 6670        |                           | 87   | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2430   |                 |     | ug/kg | 3330        |                           | 73   | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 4750   |                 |     | ug/kg | 6670        |                           | 71   | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2210   |                 |     | ug/kg | 3330        |                           | 66   | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 4690   |                 |     | ug/kg | 6670        |                           | 70   | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 3000   |                 |     | ug/kg | 3330        |                           | 90   | 40-135      |     |           |                 |

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Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limit  | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| <b>Batch: 9G29006 Extracted: 07/29/09</b>                                      |        |                 |     |       |             |               |           |        |     |           |                 |
| <b>Blank Analyzed: 07/30/2009 (9G29006-BLK1)</b>                               |        |                 |     |       |             |               |           |        |     |           |                 |
| Aroclor 1016   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1221   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1232   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1242   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1248   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1254   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1260   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 28.1   |                 |     | ug/kg | 33.3        |               | 84        | 45-120 |     |           |                 |
| <b>LCS Analyzed: 07/30/2009 (9G29006-BS1)</b>                                  |        |                 |     |       |             |               |           |        |     |           |                 |
| Aroclor 1016   | 236    | 50              | 6.7 | ug/kg | 267         |               | 89        | 65-115 |     |           |                 |
| Aroclor 1260   | 237    | 50              | 6.7 | ug/kg | 267         |               | 89        | 65-115 |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 27.9   |                 |     | ug/kg | 33.3        |               | 84        | 45-120 |     |           |                 |
| <b>Matrix Spike Analyzed: 07/30/2009 (9G29006-MS1) Source: ISG2199-08</b>      |        |                 |     |       |             |               |           |        |     |           |                 |
| Aroclor 1016   | 207    | 50              | 6.7 | ug/kg | 267         | ND            | 77        | 50-120 |     |           |                 |
| Aroclor 1260   | 217    | 50              | 6.7 | ug/kg | 267         | ND            | 81        | 50-125 |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 25.9   |                 |     | ug/kg | 33.3        |               | 78        | 45-120 |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/30/2009 (9G29006-MSD1) Source: ISG2199-08</b> |        |                 |     |       |             |               |           |        |     |           |                 |
| Aroclor 1016   | 213    | 50              | 6.7 | ug/kg | 267         | ND            | 80        | 50-120 | 3   | 30        |                 |
| Aroclor 1260   | 216    | 50              | 6.7 | ug/kg | 267         | ND            | 81        | 50-125 | 0   | 30        |                 |
| Surrogate: Decachlorobiphenyl  | 25.3   |                 |     | ug/kg | 33.3        |               | 76        | 45-120 |     |           |                 |
| <b>Batch: 9H04001 Extracted: 08/04/09</b>                                      |        |                 |     |       |             |               |           |        |     |           |                 |
| <b>Blank Analyzed: 08/04/2009 (9H04001-BLK1)</b>                               |        |                 |     |       |             |               |           |        |     |           |                 |
| Aroclor 1016   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1221   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1232   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1242   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1248   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1254   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Aroclor 1260   | ND     | 50              | 6.7 | ug/kg |             |               |           |        |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 27.3   |                 |     | ug/kg | 33.3        |               | 82        | 45-120 |     |           |                 |

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Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H04001 Extracted: 08/04/09</b>   |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 08/04/2009 (9H04001-BS1)</b>                                     |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016  | 231    | 50              | 6.7 | ug/kg | 267         |               | 87        | 65-115      |     |           |                 |
| Aroclor 1260  | 230    | 50              | 6.7 | ug/kg | 267         |               | 86        | 65-115      |     |           |                 |
| Surrogate: Decachlorobiphenyl   | 26.5   |                 |     | ug/kg | 33.3        |               | 80        | 45-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (9H04001-MS1) Source: ISG2199-22RE1</b>      |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016  | 234    | 50              | 6.7 | ug/kg | 267         | ND            | 88        | 50-120      |     |           |                 |
| Aroclor 1260  | 242    | 50              | 6.7 | ug/kg | 267         | ND            | 91        | 50-125      |     |           |                 |
| Surrogate: Decachlorobiphenyl   | 26.3   |                 |     | ug/kg | 33.3        |               | 79        | 45-120      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (9H04001-MSD1) Source: ISG2199-22RE1</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016  | 223    | 50              | 6.7 | ug/kg | 267         | ND            | 84        | 50-120      | 5   | 30        |                 |
| Aroclor 1260  | 227    | 50              | 6.7 | ug/kg | 267         | ND            | 85        | 50-125      | 6   | 30        |                 |
| Surrogate: Decachlorobiphenyl   | 25.1   |                 |     | ug/kg | 33.3        |               | 75        | 45-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9G29071 Extracted: 07/29/09</b>                   |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 07/29/2009-07/30/2009 (9G29071-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Antimony  | ND     | 10              | 0.88 | mg/kg |             |               |           |             |         |           |                 |
| Arsenic   | 0.994  | 2.0             | 0.81 | mg/kg |             |               |           |             |         |           | J               |
| Barium  | ND     | 1.0             | 0.80 | mg/kg |             |               |           |             |         |           |                 |
| Beryllium   | ND     | 0.50            | 0.20 | mg/kg |             |               |           |             |         |           |                 |
| Cadmium   | ND     | 0.50            | 0.20 | mg/kg |             |               |           |             |         |           |                 |
| Chromium  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |             |         |           |                 |
| Cobalt  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |             |         |           |                 |
| Copper  | ND     | 2.0             | 0.38 | mg/kg |             |               |           |             |         |           |                 |
| Lead  | ND     | 2.0             | 0.40 | mg/kg |             |               |           |             |         |           |                 |
| Molybdenum  | ND     | 2.0             | 0.20 | mg/kg |             |               |           |             |         |           |                 |
| Nickel  | ND     | 2.0             | 0.20 | mg/kg |             |               |           |             |         |           |                 |
| Selenium  | ND     | 2.0             | 1.0  | mg/kg |             |               |           |             |         |           |                 |
| Silver  | ND     | 1.0             | 0.80 | mg/kg |             |               |           |             |         |           |                 |
| Thallium  | ND     | 10              | 0.80 | mg/kg |             |               |           |             |         |           |                 |
| Vanadium  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |             |         |           |                 |
| Zinc  | ND     | 5.0             | 0.75 | mg/kg |             |               |           |             |         |           |                 |

### LCS Analyzed: 07/29/2009-07/30/2009 (9G29071-BS1)

|            |      |      |      |       |      |  |    |        |
|------------|------|------|------|-------|------|--|----|--------|
| Antimony   | 45.5 | 10   | 0.88 | mg/kg | 50.0 |  | 91 | 80-120 |
| Arsenic    | 45.6 | 2.0  | 0.81 | mg/kg | 50.0 |  | 91 | 80-120 |
| Barium     | 47.2 | 1.0  | 0.80 | mg/kg | 50.0 |  | 94 | 80-120 |
| Beryllium  | 46.5 | 0.50 | 0.20 | mg/kg | 50.0 |  | 93 | 80-120 |
| Cadmium    | 45.2 | 0.50 | 0.20 | mg/kg | 50.0 |  | 90 | 80-120 |
| Chromium   | 45.3 | 1.0  | 0.30 | mg/kg | 50.0 |  | 91 | 80-120 |
| Cobalt     | 44.9 | 1.0  | 0.30 | mg/kg | 50.0 |  | 90 | 80-120 |
| Copper     | 46.9 | 2.0  | 0.38 | mg/kg | 50.0 |  | 94 | 80-120 |
| Lead       | 45.7 | 2.0  | 0.40 | mg/kg | 50.0 |  | 91 | 80-120 |
| Molybdenum | 43.7 | 2.0  | 0.20 | mg/kg | 50.0 |  | 87 | 80-120 |
| Nickel     | 47.1 | 2.0  | 0.20 | mg/kg | 50.0 |  | 94 | 80-120 |
| Selenium   | 41.4 | 2.0  | 1.0  | mg/kg | 50.0 |  | 83 | 80-120 |
| Silver     | 23.3 | 1.0  | 0.80 | mg/kg | 25.0 |  | 93 | 80-120 |
| Thallium   | 45.0 | 10   | 0.80 | mg/kg | 50.0 |  | 90 | 80-120 |
| Vanadium   | 46.5 | 1.0  | 0.30 | mg/kg | 50.0 |  | 93 | 80-120 |
| Zinc       | 43.5 | 5.0  | 0.75 | mg/kg | 50.0 |  | 87 | 80-120 |

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Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29071 Extracted: 07/29/09</b>                              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 07/29/2009-07/30/2009 (9G29071-MS1)</b>      |        |                 |      |       |             | <b>Source: ISG2176-01</b> |           |             |     |           |                 |
| Antimony   | 22.8   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 46        | 75-125      |     |           | M2              |
| Arsenic  | 92.3   | 2.0             | 0.81 | mg/kg | 50.0        | 47.5                      | 90        | 75-125      |     |           |                 |
| Barium   | 444    | 1.0             | 0.80 | mg/kg | 50.0        | 428                       | 31        | 75-125      |     |           | MHA             |
| Beryllium  | 46.2   | 0.50            | 0.20 | mg/kg | 50.0        | 0.251                     | 92        | 75-125      |     |           |                 |
| Cadmium  | 43.9   | 0.50            | 0.20 | mg/kg | 50.0        | 0.408                     | 87        | 75-125      |     |           |                 |
| Chromium   | 76.7   | 1.0             | 0.30 | mg/kg | 50.0        | 34.8                      | 84        | 75-125      |     |           |                 |
| Cobalt   | 46.9   | 1.0             | 0.30 | mg/kg | 50.0        | 4.78                      | 84        | 75-125      |     |           |                 |
| Copper   | 129    | 2.0             | 0.38 | mg/kg | 50.0        | 83.7                      | 90        | 75-125      |     |           |                 |
| Lead   | 65.0   | 2.0             | 0.40 | mg/kg | 50.0        | 22.7                      | 85        | 75-125      |     |           |                 |
| Molybdenum   | 50.9   | 2.0             | 0.20 | mg/kg | 50.0        | 9.95                      | 82        | 75-125      |     |           |                 |
| Nickel   | 65.8   | 2.0             | 0.20 | mg/kg | 50.0        | 23.4                      | 85        | 75-125      |     |           |                 |
| Selenium   | 45.9   | 2.0             | 1.0  | mg/kg | 50.0        | 5.82                      | 80        | 75-125      |     |           |                 |
| Silver   | 24.1   | 1.0             | 0.80 | mg/kg | 25.0        | 0.905                     | 93        | 75-125      |     |           |                 |
| Thallium   | 33.6   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 67        | 75-125      |     |           | M2              |
| Vanadium   | 102    | 1.0             | 0.30 | mg/kg | 50.0        | 60.0                      | 85        | 75-125      |     |           |                 |
| Zinc   | 803    | 5.0             | 0.75 | mg/kg | 50.0        | 786                       | 34        | 75-125      |     |           | MHA             |
| <b>Matrix Spike Dup Analyzed: 07/29/2009-07/30/2009 (9G29071-MSD1)</b> |        |                 |      |       |             | <b>Source: ISG2176-01</b> |           |             |     |           |                 |
| Antimony   | 22.5   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 45        | 75-125      | 1   | 20        | M2              |
| Arsenic  | 95.8   | 2.0             | 0.81 | mg/kg | 50.0        | 47.5                      | 97        | 75-125      | 4   | 20        |                 |
| Barium   | 469    | 1.0             | 0.80 | mg/kg | 50.0        | 428                       | 81        | 75-125      | 6   | 20        | MHA             |
| Beryllium  | 46.0   | 0.50            | 0.20 | mg/kg | 50.0        | 0.251                     | 92        | 75-125      | 0   | 20        |                 |
| Cadmium  | 44.4   | 0.50            | 0.20 | mg/kg | 50.0        | 0.408                     | 88        | 75-125      | 1   | 20        |                 |
| Chromium   | 78.5   | 1.0             | 0.30 | mg/kg | 50.0        | 34.8                      | 87        | 75-125      | 2   | 20        |                 |
| Cobalt   | 47.6   | 1.0             | 0.30 | mg/kg | 50.0        | 4.78                      | 86        | 75-125      | 1   | 20        |                 |
| Copper   | 133    | 2.0             | 0.38 | mg/kg | 50.0        | 83.7                      | 99        | 75-125      | 4   | 20        |                 |
| Lead   | 66.9   | 2.0             | 0.40 | mg/kg | 50.0        | 22.7                      | 88        | 75-125      | 3   | 20        |                 |
| Molybdenum   | 51.6   | 2.0             | 0.20 | mg/kg | 50.0        | 9.95                      | 83        | 75-125      | 1   | 20        |                 |
| Nickel   | 68.2   | 2.0             | 0.20 | mg/kg | 50.0        | 23.4                      | 90        | 75-125      | 4   | 20        |                 |
| Selenium   | 47.0   | 2.0             | 1.0  | mg/kg | 50.0        | 5.82                      | 82        | 75-125      | 2   | 20        |                 |
| Silver   | 24.1   | 1.0             | 0.80 | mg/kg | 25.0        | 0.905                     | 93        | 75-125      | 0   | 20        |                 |
| Thallium   | 34.8   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 70        | 75-125      | 4   | 20        | M2              |
| Vanadium   | 106    | 1.0             | 0.30 | mg/kg | 50.0        | 60.0                      | 91        | 75-125      | 3   | 20        |                 |
| Zinc   | 847    | 5.0             | 0.75 | mg/kg | 50.0        | 786                       | 121       | 75-125      | 5   | 20        | MHA             |

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Received: 07/28/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|---------|---------|-----------------|
| <b>Batch: 9G29072 Extracted: 07/29/09</b>        |        |                 |      |       |             |               |           |         |         |                 |
| <b>Blank Analyzed: 07/29/2009 (9G29072-BLK1)</b> |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |         |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |         |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |         |         |                 |
| Lead   | ND     | 2.0             | 0.40 | mg/kg |             |               |           |         |         |                 |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Nickel   | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |         |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Thallium   | ND     | 10              | 0.80 | mg/kg |             |               |           |         |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Zinc   | ND     | 5.0             | 0.75 | mg/kg |             |               |           |         |         |                 |
| <b>LCS Analyzed: 07/29/2009 (9G29072-BS1)</b>    |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | 46.7   | 10              | 0.88 | mg/kg | 50.0        |               | 93        | 80-120  |         |                 |
| Arsenic  | 46.6   | 2.0             | 0.81 | mg/kg | 50.0        |               | 93        | 80-120  |         |                 |
| Barium   | 48.1   | 1.0             | 0.80 | mg/kg | 50.0        |               | 96        | 80-120  |         |                 |
| Beryllium  | 47.1   | 0.50            | 0.20 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Cadmium  | 46.4   | 0.50            | 0.20 | mg/kg | 50.0        |               | 93        | 80-120  |         |                 |
| Chromium   | 47.1   | 1.0             | 0.30 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Cobalt   | 45.4   | 1.0             | 0.30 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Copper   | 47.7   | 2.0             | 0.38 | mg/kg | 50.0        |               | 95        | 80-120  |         |                 |
| Lead   | 47.1   | 2.0             | 0.40 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Molybdenum                                       | 44.9   | 2.0             | 0.20 | mg/kg | 50.0        |               | 90        | 80-120  |         |                 |
| Nickel   | 47.8   | 2.0             | 0.20 | mg/kg | 50.0        |               | 96        | 80-120  |         |                 |
| Selenium   | 44.0   | 2.0             | 1.0  | mg/kg | 50.0        |               | 88        | 80-120  |         |                 |
| Silver   | 23.6   | 1.0             | 0.80 | mg/kg | 25.0        |               | 95        | 80-120  |         |                 |
| Thallium   | 46.8   | 10              | 0.80 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Vanadium   | 47.1   | 1.0             | 0.30 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Zinc   | 45.1   | 5.0             | 0.75 | mg/kg | 50.0        |               | 90        | 80-120  |         |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV  
Report Number: ISG2199

Sampled: 07/28/09  
Received: 07/28/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G29072 Extracted: 07/29/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 07/29/2009 (9G29072-MS1)</b>      |        |                 |      |       |             | <b>Source: ISG2199-19</b> |           |             |     |           |                 |
| Antimony  | 16.0   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 32        | 75-125      |     |           | M2              |
| Arsenic   | 50.4   | 2.0             | 0.81 | mg/kg | 50.0        | 5.47                      | 90        | 75-125      |     |           |                 |
| Barium  | 133    | 1.0             | 0.80 | mg/kg | 50.0        | 77.1                      | 112       | 75-125      |     |           |                 |
| Beryllium   | 47.4   | 0.50            | 0.20 | mg/kg | 50.0        | 0.503                     | 94        | 75-125      |     |           |                 |
| Cadmium   | 45.7   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 91        | 75-125      |     |           |                 |
| Chromium  | 68.4   | 1.0             | 0.30 | mg/kg | 50.0        | 20.7                      | 95        | 75-125      |     |           |                 |
| Cobalt  | 51.1   | 1.0             | 0.30 | mg/kg | 50.0        | 6.31                      | 90        | 75-125      |     |           |                 |
| Copper  | 64.6   | 2.0             | 0.38 | mg/kg | 50.0        | 15.4                      | 98        | 75-125      |     |           |                 |
| Lead  | 53.7   | 2.0             | 0.40 | mg/kg | 50.0        | 8.04                      | 91        | 75-125      |     |           |                 |
| Molybdenum  | 42.9   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 86        | 75-125      |     |           |                 |
| Nickel  | 60.3   | 2.0             | 0.20 | mg/kg | 50.0        | 13.9                      | 93        | 75-125      |     |           |                 |
| Selenium  | 42.6   | 2.0             | 1.0  | mg/kg | 50.0        | 1.23                      | 83        | 75-125      |     |           |                 |
| Silver  | 23.6   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 94        | 75-125      |     |           |                 |
| Thallium  | 44.9   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 90        | 75-125      |     |           |                 |
| Vanadium  | 84.9   | 1.0             | 0.30 | mg/kg | 50.0        | 35.7                      | 98        | 75-125      |     |           |                 |
| Zinc  | 119    | 5.0             | 0.75 | mg/kg | 50.0        | 69.9                      | 99        | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/29/2009 (9G29072-MSD1)</b> |        |                 |      |       |             | <b>Source: ISG2199-19</b> |           |             |     |           |                 |
| Antimony  | 14.3   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 29        | 75-125      | 11  | 20        | M2              |
| Arsenic   | 52.0   | 2.0             | 0.81 | mg/kg | 50.0        | 5.47                      | 93        | 75-125      | 3   | 20        |                 |
| Barium  | 128    | 1.0             | 0.80 | mg/kg | 50.0        | 77.1                      | 102       | 75-125      | 4   | 20        |                 |
| Beryllium   | 47.6   | 0.50            | 0.20 | mg/kg | 50.0        | 0.503                     | 94        | 75-125      | 1   | 20        |                 |
| Cadmium   | 45.6   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 91        | 75-125      | 0   | 20        |                 |
| Chromium  | 67.4   | 1.0             | 0.30 | mg/kg | 50.0        | 20.7                      | 93        | 75-125      | 1   | 20        |                 |
| Cobalt  | 50.3   | 1.0             | 0.30 | mg/kg | 50.0        | 6.31                      | 88        | 75-125      | 2   | 20        |                 |
| Copper  | 62.7   | 2.0             | 0.38 | mg/kg | 50.0        | 15.4                      | 95        | 75-125      | 3   | 20        |                 |
| Lead  | 54.0   | 2.0             | 0.40 | mg/kg | 50.0        | 8.04                      | 92        | 75-125      | 1   | 20        |                 |
| Molybdenum  | 42.9   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 86        | 75-125      | 0   | 20        |                 |
| Nickel  | 58.9   | 2.0             | 0.20 | mg/kg | 50.0        | 13.9                      | 90        | 75-125      | 2   | 20        |                 |
| Selenium  | 43.6   | 2.0             | 1.0  | mg/kg | 50.0        | 1.23                      | 85        | 75-125      | 3   | 20        |                 |
| Silver  | 23.4   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 93        | 75-125      | 1   | 20        |                 |
| Thallium  | 44.4   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 89        | 75-125      | 1   | 20        |                 |
| Vanadium  | 85.1   | 1.0             | 0.30 | mg/kg | 50.0        | 35.7                      | 99        | 75-125      | 0   | 20        |                 |
| Zinc  | 118    | 5.0             | 0.75 | mg/kg | 50.0        | 69.9                      | 96        | 75-125      | 1   | 20        |                 |

#### TestAmerica Irvine

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Project Manager



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Project ID: ISRA HV Waste Characterization  
 ELV  
 Report Number: ISG2199

Sampled: 07/28/09  
 Received: 07/28/09

## METHOD BLANK/QC DATA

### TCLP METALS

| Analyte  | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H09017 Extracted: 08/09/09</b>              |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 08/10/2009 (9H09017-BLK1)</b>       |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead   | ND     | 0.10            | 0.040 | mg/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 08/10/2009 (9H09017-BS1)</b>          |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead   | 2.08   | 0.10            | 0.040 | mg/l  | 2.00        |                           | 104  | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 08/11/2009 (9H09017-MS1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|  |        |                 |       |       |             | <b>Source: ISH0552-01</b> |      |             |     |           |                 |
| Lead   | 2.14   | 0.50            | 0.20  | mg/l  | 2.00        | ND                        | 107  | 75-125      |     |           |                 |

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 ELV  
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## METHOD BLANK/QC DATA

### STLC METALS

| Analyte  | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H12087 Extracted: 08/12/09</b>                                      |        |                 |       |       |             |               |      |             |     |           |                 |
| <b>Blank Analyzed: 08/12/2009 (9H12087-BLK1)</b>                               |        |                 |       |       |             |               |      |             |     |           |                 |
| Chromium   | ND     | 0.10            | 0.040 | mg/l  |             |               |      |             |     |           |                 |
| Lead   | ND     | 0.10            | 0.080 | mg/l  |             |               |      |             |     |           |                 |
| <b>LCS Analyzed: 08/12/2009 (9H12087-BS1)</b>                                  |        |                 |       |       |             |               |      |             |     |           |                 |
| Chromium   | 20.7   | 0.10            | 0.040 | mg/l  | 20.0        |               | 104  | 80-120      |     |           |                 |
| Lead   | 20.7   | 0.10            | 0.080 | mg/l  | 20.0        |               | 103  | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 08/12/2009 (9H12087-MS1) Source: ISH0521-01</b>      |        |                 |       |       |             |               |      |             |     |           |                 |
| Chromium   | 20.6   | 0.10            | 0.040 | mg/l  | 20.0        | 0.151         | 102  | 75-125      |     |           |                 |
| Lead   | 20.5   | 0.10            | 0.080 | mg/l  | 20.0        | ND            | 103  | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/12/2009 (9H12087-MSD1) Source: ISH0521-01</b> |        |                 |       |       |             |               |      |             |     |           |                 |
| Chromium   | 20.3   | 0.10            | 0.040 | mg/l  | 20.0        | 0.151         | 101  | 75-125      | 2   | 20        |                 |
| Lead   | 20.2   | 0.10            | 0.080 | mg/l  | 20.0        | ND            | 101  | 75-125      | 2   | 20        |                 |

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## METHOD BLANK/QC DATA

### SW846 7471A

| Analyte  | Result | Reporting Limit | MDL    | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b><u>Batch: 9211372 Extracted: 07/31/09</u></b>             |        |                 |        |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 07/31/2009 (D9G300000372B)</b>            |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                           |      | -           |     |           |                 |
| <b>LCS Analyzed: 07/31/2009 (D9G300000372C)</b>              |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | 0.403  | 0.033           | 0.0055 | mg/kg | 0.417       |                           | 97   | 87-111      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/31/2009 (D9G300196001D)</b> |        |                 |        |       |             | <b>Source: ISG2199-01</b> |      |             |     |           |                 |
| Mercury  | 0.632  | 0.033           | 0.0055 | mg/kg | 0.41        | 0.15                      | 117  | 87-111      | 20  | 20        | N               |
| <b>Matrix Spike Analyzed: 07/31/2009 (D9G300196001S)</b>     |        |                 |        |       |             | <b>Source: ISG2199-01</b> |      |             |     |           |                 |
| Mercury  | 0.52   | 0.033           | 0.0055 | mg/kg | 0.41        | 0.15                      | 90   | 87-111      | 20  | 20        |                 |
| <b><u>Batch: 9211376 Extracted: 07/31/09</u></b>             |        |                 |        |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 07/31/2009 (D9G300000376B)</b>            |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                           |      | -           |     |           |                 |
| <b>LCS Analyzed: 07/31/2009 (D9G300000376C)</b>              |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | 0.446  | 0.033           | 0.0055 | mg/kg | 0.417       |                           | 107  | 87-111      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/31/2009 (D9G300196015D)</b> |        |                 |        |       |             | <b>Source: ISG2199-15</b> |      |             |     |           |                 |
| Mercury  | 0.452  | 0.033           | 0.0055 | mg/kg | 0.41        | 0.0092                    | 108  | 87-111      | 4   | 20        |                 |
| <b>Matrix Spike Analyzed: 07/31/2009 (D9G300196015S)</b>     |        |                 |        |       |             | <b>Source: ISG2199-15</b> |      |             |     |           |                 |
| Mercury  | 0.471  | 0.033           | 0.0055 | mg/kg | 0.41        | 0.0092                    | 113  | 87-111      | 4   | 20        | N               |

TestAmerica Irvine

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## GCMS CALIBRATION CHECK CRITERIA

The % recovery for the following individual compounds fell outside the  $\pm 15\%$  criteria, however the average % recovery of all compounds in the calibration check solution was within  $\pm 15\%$ , thus meeting the overall calibration check criteria.

| <u>Compound</u>           | <u>Footnote</u> | <u>Calibration Check</u><br><u>% Recovery</u> | <u>Lab Number</u> | <u>Batch</u> |
|---------------------------|-----------------|---|-------------------|--------------|
| Aniline                   | 2               | 70%   | ISG2199-06RE1     | 9H03041      |
| Aniline                   | 2               | 79%   | ISG2199-08RE1     | 9H03041      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-09        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-10        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-11        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-13        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-14        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-15        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-16        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-17        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-20        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-24        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-27        | 9G29004      |
| Hexachlorocyclopentadiene | 2               | 69%   | ISG2199-28        | 9G29004      |

Footnotes:

- 1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.
- 2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

**TestAmerica Irvine**

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## DATA QUALIFIERS AND DEFINITIONS

- A-01** Sample result might be biased high due to coelution of Aroclors 1254 and 1260. The data was reprocessed in a different way as the calibration (3 peaks were used in the confirmation column).
- A-01a** Sample result might be biased high due to coelution of Aroclors 1254 and 1260. The data was reprocessed in a different way as the calibration (4 peaks were used in the primary column).
- A-01b** Sample result might be biased high due to coelution of Aroclors 1254 and 1260. The data was reprocessed in a different way as the calibration (4 peaks were used in the primary and 3 peaks were used in the confirmation column).
- A-01c** Sample result might be biased high due to coelution of Aroclors 1254 and 1260. The data was reprocessed in a different way as the calibration (4 peaks were used in the primary column).
- B** Analyte was detected in the associated Method Blank.
- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- C-2** Calibration Verification recovery was below the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
- I** Internal Standard recovery was outside of method limits. Matrix interference was confirmed.
- 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.
- L** Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- MNR1** There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
- N** Spike sample recovery is outside control limits.
- R-1** The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the higher value was reported.
- R-3** The RPD exceeded the acceptance limit due to sample matrix effects.
- RL1** Reporting limit raised due to sample matrix effects.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- ZX** Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

## ADDITIONAL COMMENTS

### For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

### For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

### TestAmerica Irvine

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ELV  
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Sampled: 07/28/09  
Received: 07/28/09

## Certification Summary

### TestAmerica Irvine

| Method       | Matrix | Nelac | California |
|--------------|--------|-------|------------|
| 6010B-STLC   | Soil   | X     | X          |
| 6010B-TCLP   | Soil   | X     | X          |
| EPA 1311-Met | Soil   | X     | X          |
| EPA 6010B    | Soil   | X     | X          |
| EPA 8082     | Soil   | X     | X          |
| EPA 8260B    | Soil   | X     | X          |
| EPA 8270C    | Soil   | X     | X          |
| STLC-Met     | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### Aquatic Testing Laboratories-SUB California Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Haz. Waste

Samples: ISG2199-03, ISG2199-06, ISG2199-13, ISG2199-16, ISG2199-25

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: SW846 7471A

Samples: ISG2199-01, ISG2199-02, ISG2199-03, ISG2199-04, ISG2199-05, ISG2199-06, ISG2199-07, ISG2199-08, ISG2199-09, ISG2199-10, ISG2199-11, ISG2199-12, ISG2199-13, ISG2199-14, ISG2199-15, ISG2199-16, ISG2199-17, ISG2199-18, ISG2199-19, ISG2199-20, ISG2199-21, ISG2199-22, ISG2199-23, ISG2199-24, ISG2199-25, ISG2199-26, ISG2199-27, ISG2199-28

### TestAmerica Irvine

Joseph Doak  
Project Manager

| Client Contact<br>The Boeing Company SSFL<br>5800 Woolsey Canyon Road<br>Canoga Park, CA 91304 |             | Project Manager: Tom Venable<br>Tel/Fax: 818-466-8779 / 818-466-4873   |                | Site Contact: Shelby Valenzuela<br>Lab Contact: Joe Doak |            | COC No: 4 of 4 COCs               |                       |
|--|-------------|--|----------------|--|------------|-----------------------------------|-----------------------|
| Analysis Turnaround Time<br>Calendar (C) or Work Days (W) <u>W</u>                             |             | TAT if different from Below<br><input checked="" type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |                | Date: 7-28-09<br>Carrier: LAB PKY-UP                     |            | Job No. 1891614<br>+006482-05453- |                       |
| Phone  |             | FAX  |                | SDG No.  |            | DEPTH PID                         |                       |
| Project Name: ISRA - HV Waste Characterization   |             | Site: Happy Valley ELN   |                | P O # 7KSSISRA   |            | Sample Specific Notes:            |                       |
| Sample Identification  | Sample Date | Sample Time  | Sample Type    | Matrix   | # of Cont. | Filtered Sample                   | Sample Specific Notes |
| ISNC00625001   | 7-28-09     | 9:07   | SLEEVES ENCORE | SOIL   | 5          | XX                                | 1.6' bag 5 0.1 ppm    |
| ISNC00645001   | 7-28-09     | 9:28   |                |  | 5          | XX                                | 1.8' bag 5 0.3 ppm    |
| ISNC00665001   | 7-28-09     | 9:48   |                |  | 5          | XX                                | 0.9' bag 5 0.9 ppm    |
| ISNC00685001   | 7-28-09     | 9:53   |                |  | 5          | XX                                | 0.7' bag 5 0.1 ppm    |
| ISNC00505001   | 7-28-09     | 10:43  | SLEEVES        |  | 2          | XX                                | 0.4' bag 5 0.1 ppm    |
| ISNC00525001   | 7-28-09     | 10:56  | SLEEVES        |  | 2          | XX                                | 0.7' bag 5 0.2 ppm    |
| ISNC00545001   | 7-28-09     | 11:05  | SLEEVES        |  | 2          | XX                                | 0.4' bag 5 0.3 ppm    |
| ISNC00565001   | 7-28-09     | 11:23  | SLEEVES        |  | 2          | XX                                | 1.5' bag 5 0.2 ppm    |
| ISNC00585001   | 7-28-09     | 11:39  | SLEEVES        |  | 2          | XX                                | 0.7' bag 5 0.1 ppm    |
| ISNC00605001   | 7-28-09     | 11:56  | SLEEVES        |  | 2          | XX                                | 0.8' bag 5 0.0 ppm    |
| ISNC00705001   | 7-28-09     | 13:26  | SLEEVES ENCORE |  | 5          | XX                                | 0.5' bag 5 0.1 ppm    |
| ISNC00725001   | 7-28-09     | 13:37  |                |  | 5          | XX                                | 0.8' bag 5 0.0 ppm    |

Preservation Used: (1=Ice) 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds  
 CAM 17 METALS → 5 DAY TAT  
 SNOCS, PCBs, VOCs, ACUTE TOX → 10 DAY TAT

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For 6 Months

Relinquished by: *Alfonso P. P...* Date/Time: 7/29/09 15:51 Company: MMH  
 Relinquished by: *Shelby Valenzuela* Date/Time: 7/29/09 18:30 Company: TestAmerica  
 Relinquished by: *Shelby Valenzuela* Date/Time: 7/29/09 18:30 Company: TestAmerica

#153 2600

Irvine  
17461 Dertian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

| <b>Client Contact</b><br>The Boeing Company SSFL<br>5800 Woolsey Canyon Road<br>Canoga Park, CA 91304<br>Phone _____<br>FAX _____<br>Project Name: ISRA - HV Waste Characterization<br>Site: <del>Happy Valley</del> <b>ELV</b><br>PO # 7KSSISRA   |             | <b>Project Manager: Tom Venable</b><br>Tel/Fax: 818-466-8779 / 818-466-4873<br>Analysis Turnaround Time<br>Calendar (C) or Work Days (W) <u>W</u><br>TAT if different from Below<br><input checked="" type="checkbox"/> <b>SEE BELOW</b><br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |                       | <b>Site Contact: Shelby Valenzuela</b><br>Lab Contact: Joe Doak<br>CAM 17 Metals 16001700<br>SNOCS (82702)<br>PCBs (8082)<br>VOCs (82609)<br>96 hr Acute Toxicity |            | <b>Date: 7-28-09</b><br>Carrier: <b>LAB PICK-UP</b><br>COC No: <u>2</u> of <u>4</u> COCs<br>Job No. <b>1891014</b><br><b>+004982-05453</b><br>SDG No. _____ |  |
|--|-------------|--|-----------------------|---|------------|---|--|
| Sample Identification  | Sample Date | Sample Time  | Sample Type           | Matrix  | # of Cont. | Filtered Sample   |  |
| 15WLC00745001  | 7-28-09     | 13:51  | SLEEVES/<br>ENCLOSURE | SOIL  | 5          | XX<br>XX<br>XX<br>XX  |  |
| 15WLC00765001  | 7-28-09     | 14:05  | ↓                     | ↓   | 5          | XX<br>XX<br>XX<br>XX  |  |
| <p>Preservation Used: 1=IC; 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other</p> <p>Possible Hazard Identification<br/> <input checked="" type="checkbox"/> Non-Hazard<br/> <input type="checkbox"/> Flammable<br/> <input type="checkbox"/> Skin Irritant<br/> <input type="checkbox"/> Poison B<br/> <input type="checkbox"/> Unknown</p> <p>Special Instructions/QC Requirements &amp; Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds<br/> <b>CAM 17 METALS → 5 DAY TAT</b><br/> <b>SNOCS, PCBs, VOCs, ACUTE TOX → 10 DAY TAT</b></p> |             |  |                       |   |            |   |  |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client<br><input checked="" type="checkbox"/> Disposal By Lab<br><input checked="" type="checkbox"/> Archive For <u>10</u> Months  |             |  |                       |   |            |   |  |
| Relinquished by: <i>Alloy mg. P. Webb</i>  |             | Company: <b>MNH</b>  |                       | Date/Time: <b>7/28/09 15:31</b>   |            | Company: <b>TestAmerica</b>   |  |
| Relinquished by: <i>Shelby Valenzuela</i>  |             | Company: <b>TestAmerica</b>  |                       | Date/Time: <b>7-28-09 15:31</b>   |            | Company: <b>TestAmerica</b>   |  |
| Relinquished by: _____   |             | Company: _____   |                       | Date/Time: _____  |            | Company: _____  |  |

*CRS*  
*7-28-09*

Date/Time: **7/28/09 15:31**  
 Date/Time: **7/28/09 15:31**  
 Date/Time: \_\_\_\_\_

Company: **TestAmerica**  
 Company: **TAF**  
 Company: \_\_\_\_\_

Received by: *Shelby Valenzuela*  
 Received by: *Joe Doak*  
 Received by: \_\_\_\_\_



Irvine

17461 Denian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299



THE LEADER IN ENVIRONMENTAL TESTING

### Chain of Custody Record

TestAmerica Laboratories, Inc.

Date: 7/29/09  
COC No: 1891614

Site Contact: Shelby Valenzuela  
Lab Contact: Joe Doak

Project Manager: Tom Venable  
Tel/Fax: 818-466-8779 / 818-466-4873

The Boeing Company SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304

Carrier: Colony Lab of 4 COCs

Analysis Turnaround Time  
Calendar (C) or Work Days (W) W

TAT if different from Below  
 2 weeks  
 1 week  
 2 days  
 1 day

Project Name: ISRA - HV Waste Characterization  
Site: Happy Valley ELV  
P.O # 7KSSISRA

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont | Filtered Sample | Lab Contact: Joe Doak | Site Contact: Shelby Valenzuela | Date: 7/29/09 | COC No: 1891614 |
|-----------------------|-------------|-------------|-------------|--------|-----------|-----------------|-----------------------|---------------------------------|---------------|-----------------|
| ISWC0061 S001         | 7/28/09     | 0925        | Spore       | soil   | 5         | X               | PCBs (8082)           | SVOCs (8270)                    |               |                 |
| ISWC0063 S001         | 0917        |             |             |        | 5         | X               | VOCs (8240)           |                                 |               |                 |
| ISWC0065 S001         | 0937        |             |             |        | 5         | X               |                       |                                 |               |                 |
| ISWC0067 S001         | 0948        |             |             |        | 5         | X               |                       |                                 |               |                 |
| ISWC0049 S001         | 1042        |             | sleeve      |        | 2         | X               |                       |                                 |               |                 |
| ISWC0051 S001         | 1053        |             |             |        | 2         | X               |                       |                                 |               |                 |
| ISWC0053 S001         | 1105        |             |             |        | 2         | X               |                       |                                 |               |                 |
| ISWC0055 S001         | 1116        |             |             |        | 2         | X               |                       |                                 |               |                 |
| ISWC0057 S001         | 1130        |             |             |        | 2         | X               |                       |                                 |               |                 |
| ISWC0059 S001         | 1142        |             |             |        | 2         | X               |                       |                                 |               |                 |
| ISWC0069 S001         | 1328        |             | Spore       | Dye    | 5         | X               |                       |                                 |               |                 |
| ISWC0071 S001         | 1338        |             | "           |        | 5         | X               |                       |                                 |               |                 |

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other 1=ICE

Possible Hazard Identification:  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds  
 CAM 17 Metals → 5 day TAT  
 8 VOCs, PCBs, Acute Tox → 10 day TAT

| Relinquished by:                | Relinquished by:                | Relinquished by:                | Relinquished by:                |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                                 |                                 |                                 |                                 |
| Company: <u>MUA1</u>            | Company: <u>Test America</u>    | Company: <u>Test America</u>    | Company: <u>TAI</u>             |
| Date/Time: <u>7-28-09 15:54</u> | Date/Time: <u>7-28-09 18:30</u> | Date/Time: <u>7-28-09 15:54</u> | Date/Time: <u>7-28-09 13:30</u> |

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  
 Disposal By Lab  
 Archive For 6 Months

Irvine  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

**GET-USA TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

**Chain of Custody Record**

Joe Deak

TestAmerica Laboratories, Inc.

**Client Contact**  
The Boeing Company SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304

**Project Manager:** Tom Venable  
Tel/Fax: 818-466-8779 / 818-466-4873

**Site:** Happy Valley ELV  
P O # 7KSSISRA

**Site Contact:** Shelby Valenzuela  
Lab Contact: Joe Deak-SV

**Date:** 7/29/09  
**Carrier:** Lab Pick-up

**COC No.:** 4 of 4  
**Job No.:** 1891614

**Analysis Turnaround Time**  
Calendar (C) or Work Days (W) W

TAT if different from Below  
 2 weeks see below  
 1 week  
 2 days  
 1 day

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. |
|-----------------------|-------------|-------------|-------------|--------|------------|
| ISWC0073 S001         | 7/29/09     | 1318        | skrine      | soil   | 5          |
| ISWC0075 S001         | "           | 1400        | "           | "      | 5          |

**Sample Specific Notes:**  
Bottom depth PID  
0.4 0.0  
1.9 0.0

**Retention/Disposal:**  
 Return To Client  
 Disposal By Lab  
 Archive For \_\_\_\_\_ Months

**Preservation Used:** 1=Ice; 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other F=ice

**Possible Hazard Identification:**  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown

**Special Instructions/QC Requirements & Comments:** Run STLCL (WET) / TCLP if FTCL results ≥ 10x STLCL / 20x TCLP thresholds  
 CAM 17 Metals → 5 days TAT  
 SVCS, PCBs, VOCs, Acute TRP → 10 days TAT

| Relinquished by:   | Company:     | Date/Time:    | Received by:       | Company:     | Date/Time:    |
|--------------------|--------------|---------------|--------------------|--------------|---------------|
| <i>[Signature]</i> | MWH          | 7/29/09 15:54 | <i>[Signature]</i> | Test America | 7/29/09 15:54 |
| <i>[Signature]</i> | Test America | 7/29/09 18:30 | <i>[Signature]</i> | TAF          | 7/29/09 18:30 |
|                    |              |               |                    |              |               |

# LABORATORY REPORT



*"dedicated to providing quality aquatic toxicity testing"*

**Date:** August 3, 2009  
**Client:** TestAmerica, Irvine  
17461 Derian Ave., Suite 100  
Irvine, CA 92614  
Attn: Joseph Doak

4350 Transport Street, Unit 107  
Ventura, CA 93003  
(805) 650-0546 FAX (805) 650-0756  
CA DOHS ELAP Cert. No.: 1775

**Laboratory No.:** A-09072901-001/005  
**Sample ID.:** ISG2199-03, -06, -13, -16, -25

**Sample Control:** The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 07/28/09  
Date Received: 07/29/09  
Date Tested: 07/30/09 to 08/03/09

**Sample Analysis:** The following analyses were performed on your sample:  
  
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).  
  
Attached are the test data generated from the analysis of your sample.

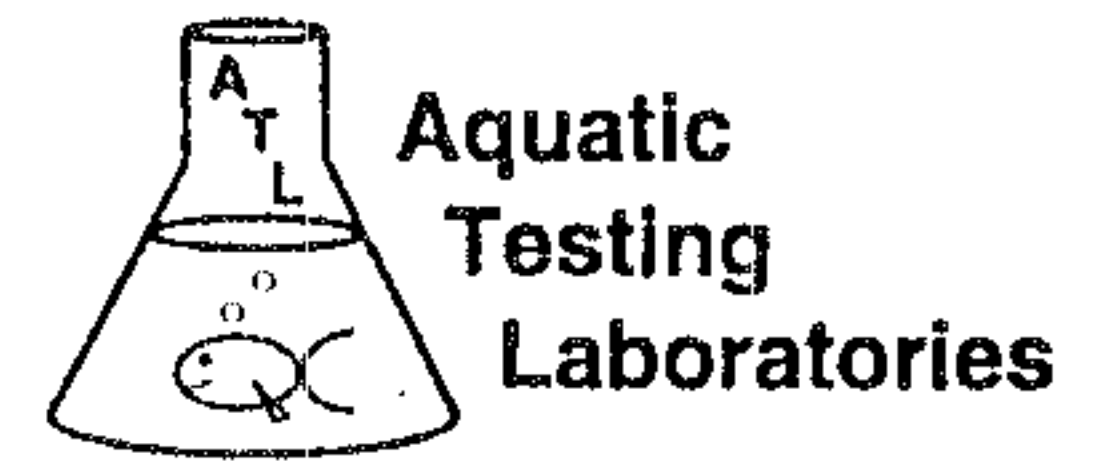
## Result Summary:

| <u>Sample ID.</u> | <u>Results</u>           |
|-------------------|--------------------------|
| ISG2199-03        | PASSED (LC50 > 750 mg/l) |
| ISG2199-06        | PASSED (LC50 > 750 mg/l) |
| ISG2199-13        | PASSED (LC50 > 750 mg/l) |
| ISG2199-16        | PASSED (LC50 > 750 mg/l) |
| ISG2199-25        | PASSED (LC50 > 750 mg/l) |

**Quality Control:** Reviewed and approved by:

  
Joseph A. LeMay  
Laboratory Director

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09072901-001

Client/ID: TA ISG2199-03A

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 27; min: 26; max: 28.  
 Fish weight (gm): av: 0.35; min: 0.32; max: 0.40.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090703.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     |     | 24 Hr        |     |     |     | 48 Hr       |     |     |     | 72 Hr       |     |     |     | 96 Hr       |     |     |     |
|------------|--------------|-----|-----|-----|--------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
|            | °C           | DO  | pH  | # D | °C           | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D |
| Date/Time: | 7-30-09 1100 |     |     |     | 7-31-09 1100 |     |     |     | 8-1-09 1100 |     |     |     | 8-2-09 1100 |     |     |     | 8-3-09 1100 |     |     |     |
| Analyst:   | Rm           |     |     |     | Rm           |     |     |     | Rm          |     |     |     | J           |     |     |     | J           |     |     |     |
| Control A  | 20.4         | 8.5 | 7.1 | 0   | 21.1         | 8.2 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 21.1        | 8.1 | 7.2 | 0   | 20.9        | 8.1 | 7.1 | 0   |
| Control B  | 20.3         | 8.5 | 7.1 | 0   | 21.0         | 8.1 | 7.0 | 0   | 20.9        | 8.1 | 7.0 | 0   | 21.1        | 8.3 | 7.1 | 0   | 20.8        | 8.1 | 7.0 | 0   |
| 400 mg/l A | 20.4         | 8.4 | 7.1 | 0   | 21.1         | 7.9 | 7.0 | 0   | 21.1        | 7.9 | 7.0 | 0   | 21.1        | 8.8 | 7.0 | 0   | 20.9        | 8.0 | 7.1 | 0   |
| 400 mg/l B | 20.3         | 8.5 | 7.1 | 0   | 21.0         | 7.6 | 6.9 | 1   | 21.0        | 7.7 | 7.0 | 0   | 21.1        | 8.6 | 6.9 | 1   | 20.8        | 8.0 | 6.9 | 0   |
| 750 mg/l A | 20.4         | 8.5 | 7.1 | 0   | 21.0         | 8.2 | 7.0 | 0   | 21.0        | 8.1 | 6.9 | 0   | 21.1        | 8.9 | 6.9 | 0   | 20.8        | 8.0 | 6.8 | 0   |
| 750 mg/l B | 20.3         | 8.4 | 7.1 | 0   | 21.0         | 8.4 | 7.0 | 0   | 20.9        | 8.2 | 6.9 | 0   | 21.0        | 8.6 | 6.9 | 0   | 20.8        | 8.0 | 6.8 | 0   |

Comments: Extraction method: Mechanical shaking .  
 None (aqueous solution) .  
 Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |       |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|-------|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  |                   |       |
| Initial | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | Control           | 0 /20 |
| Final   | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 400 mg/l          | 2 /20 |
|         |                           |                           |                           |                           | 750 mg/l          | 0 /20 |

**RESULTS**

(the checked result applies based on fish survival rates)

|    |               |  |
|----|---------------|--|
| ✓  | <b>PASSED</b> | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| NA | <b>FAILED</b> | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| NA | <b>FAILED</b> | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09072901-002

Client/ID: TA ISG2199-06C

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 27; min: 26; max: 28.  
 Fish weight (gm): av: 0.35; min: 0.32; max: 0.40.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090703.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     | 24 Hr        |     |     |     | 48 Hr       |     |     |     | 72 Hr       |     |     |     | 96 Hr       |     |     |     |
|------------|--------------|-----|-----|--------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
|            | °C           | DO  | pH  | °C           | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D |
| Date/Time: | 7-30-09 1000 |     |     | 7-31-09 1100 |     |     |     | 8-1-09 1100 |     |     |     | 8-2-09 1100 |     |     |     | 8-3-09 1100 |     |     |     |
| Analyst:   | Rm           |     |     | Rm           |     |     |     | Rm          |     |     |     | Z           |     |     |     | Z           |     |     |     |
| Control A  | 20.4         | 8.5 | 7.1 | 21.1         | 8.2 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 21.1        | 8.1 | 7.2 | 0   | 20.9        | 8.1 | 7.1 | 0   |
| Control B  | 20.3         | 8.5 | 7.1 | 21.0         | 8.1 | 7.0 | 0   | 20.9        | 8.1 | 7.0 | 0   | 21.1        | 8.3 | 7.1 | 0   | 20.8        | 8.1 | 7.0 | 0   |
| 400 mg/l A | 20.4         | 8.4 | 7.1 | 21.1         | 7.9 | 7.0 | 0   | 21.1        | 7.7 | 6.9 | 0   | 21.1        | 7.9 | 7.0 | 0   | 20.4        | 7.5 | 7.0 | 0   |
| 400 mg/l B | 20.3         | 8.4 | 7.1 | 21.0         | 8.1 | 7.0 | 0   | 21.0        | 7.8 | 6.9 | 0   | 21.1        | 8.4 | 6.9 | 0   | 20.8        | 7.9 | 6.8 | 0   |
| 750 mg/l A | 20.4         | 8.4 | 7.1 | 21.0         | 7.7 | 6.9 | 0   | 21.0        | 8.0 | 6.9 | 0   | 21.1        | 7.7 | 6.9 | 0   | 20.8        | 7.6 | 6.8 | 0   |
| 750 mg/l B | 20.3         | 8.5 | 7.1 | 20.9         | 8.6 | 7.1 | 0   | 20.9        | 8.6 | 7.0 | 0   | 21.0        | 9.0 | 7.0 | 0   | 20.7        | 8.1 | 6.9 | 0   |

Comments: Extraction method: Mechanical shaking .  
 None (aqueous solution) .  
 Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |     |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|-----|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  | Control           |     |
| Initial | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 31 mg/l CaCO <sub>3</sub> | 46 mg/l CaCO <sub>3</sub> | 0                 | /20 |
| Final   | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 33 mg/l CaCO <sub>3</sub> | 47 mg/l CaCO <sub>3</sub> | 0                 | /20 |
|         |                           |                           |                           |                           | 0                 | /20 |

| RESULTS<br>(the checked result applies based on fish survival rates) |        |  |
|--|--------|--|
| ✓  | PASSED | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| NA   | FAILED | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| NA   | FAILED | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09072901-003

Client/ID: TA ISG 2199-13 D

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 27; min: 26; max: 28.  
 Fish weight (gm): av: 0.35; min: 0.32; max: 0.40.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090703.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     | 24 Hr        |     |     |     | 48 Hr       |     |     |     | 72 Hr       |     |     |     | 96 Hr       |     |     |     |
|------------|--------------|-----|-----|--------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
| Date/Time: | 7-30-09 1100 |     |     | 7-31-09 1100 |     |     |     | 8-1-09 1100 |     |     |     | 8-2-09 1100 |     |     |     | 8-3-09 1100 |     |     |     |
| Analyst:   | R            |     |     | R            |     |     |     | R           |     |     |     | Z           |     |     |     | Z           |     |     |     |
|            | °C           | DO  | pH  | °C           | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D |
| Control A  | 20.4         | 8.5 | 7.1 | 21.1         | 8.2 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 21.1        | 8.1 | 7.2 | 0   | 20.8        | 8.1 | 7.1 | 0   |
| Control B  | 20.3         | 8.5 | 7.1 | 21.0         | 8.1 | 7.0 | 0   | 20.9        | 8.1 | 7.0 | 0   | 21.1        | 8.3 | 7.1 | 0   | 20.8        | 8.1 | 7.0 | 0   |
| 400 mg/l A | 20.4         | 8.4 | 7.2 | 21.2         | 7.8 | 6.9 | 0   | 21.1        | 7.7 | 6.9 | 0   | 21.1        | 8.2 | 7.0 | 0   | 20.8        | 7.6 | 7.0 | 0   |
| 400 mg/l B | 20.3         | 8.5 | 7.2 | 21.1         | 7.7 | 6.9 | 0   | 21.0        | 7.7 | 6.9 | 0   | 21.0        | 8.4 | 7.0 | 0   | 20.7        | 7.7 | 6.9 | 0   |
| 750 mg/l A | 20.3         | 8.4 | 7.2 | 21.0         | 8.0 | 7.0 | 0   | 21.0        | 8.2 | 7.0 | 0   | 21.0        | 8.6 | 7.0 | 0   | 20.8        | 7.8 | 6.8 | 0   |
| 750 mg/l B | 20.2         | 8.4 | 7.2 | 20.9         | 8.2 | 7.0 | 0   | 20.9        | 8.3 | 7.0 | 0   | 21.0        | 8.8 | 7.0 | 0   | 20.8        | 7.7 | 6.9 | 0   |

Comments: Extraction method: Mechanical shaking .  
 None (aqueous solution) .

Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |          |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  | Control           | 400 mg/l |
| Initial | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 0                 | 0        |
| Final   | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 33 mg/l CaCO <sub>3</sub> | 46 mg/l CaCO <sub>3</sub> | 0                 | 0        |

**RESULTS**

(the checked result applies based on fish survival rates)

|                                     |               |  |
|-------------------------------------|---------------|--|
| <input checked="" type="checkbox"/> | <b>PASSED</b> | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| <input type="checkbox"/>            | <b>FAILED</b> | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| <input type="checkbox"/>            | <b>FAILED</b> | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09072901-004

Client/ID: TA ISG-2199-16D

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 27; min: 26; max: 28.  
 Fish weight (gm): av: 0.35; min: 0.32; max: 0.40.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090703.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     | 24 Hr        |     |     |     | 48 Hr       |     |     |     | 72 Hr       |     |     |     | 96 Hr       |     |     |     |
|------------|--------------|-----|-----|--------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
| Date/Time: | 7-30-09 1100 |     |     | 7-31-09 1100 |     |     |     | 8-1-09 1100 |     |     |     | 8-2-09 1100 |     |     |     | 8-3-09 1100 |     |     |     |
| Analyst:   | Rm           |     |     | Rm           |     |     |     | Rm          |     |     |     | Z           |     |     |     | Z           |     |     |     |
|            | °C           | DO  | pH  | °C           | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D |
| Control A  | 20.4         | 8.5 | 7.1 | 21.1         | 8.2 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 21.1        | 8.1 | 7.2 | 0   | 20.8        | 8.1 | 7.1 | 0   |
| Control B  | 20.3         | 8.5 | 7.1 | 21.0         | 8.1 | 7.0 | 0   | 20.9        | 8.1 | 7.0 | 0   | 21.1        | 8.3 | 7.1 | 0   | 20.8        | 8.1 | 7.0 | 0   |
| 400 mg/l A | 20.3         | 8.4 | 7.2 | 21.2         | 8.3 | 7.1 | 0   | 21.2        | 8.4 | 7.1 | 0   | 21.0        | 8.3 | 7.0 | 0   | 20.8        | 7.9 | 7.0 | 0   |
| 400 mg/l B | 20.2         | 8.5 | 7.2 | 21.1         | 8.4 | 7.1 | 0   | 21.1        | 8.4 | 7.1 | 0   | 21.0        | 8.4 | 7.0 | 0   | 20.7        | 8.3 | 7.0 | 0   |
| 750 mg/l A | 20.3         | 8.5 | 7.2 | 21.0         | 8.0 | 7.0 | 0   | 21.0        | 8.0 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 20.7        | 7.5 | 6.9 | 0   |
| 750 mg/l B | 20.2         | 8.4 | 7.2 | 20.9         | 8.2 | 7.1 | 0   | 20.9        | 8.1 | 7.0 | 1   | 21.0        | 8.3 | 6.9 | 0   | 20.7        | 7.6 | 6.8 | 0   |

Comments: Extraction method: Mechanical shaking X.  
 None (aqueous solution) -.

Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |       |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|-------|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  |                   |       |
| Initial | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | Control           | 0 /20 |
| Final   | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 46 mg/l CaCO <sub>3</sub> | 400 mg/l          | 0 /20 |
|         |                           |                           |                           |                           | 750 mg/l          | 1 /20 |

**RESULTS**

(the checked result applies based on fish survival rates)

|           |               |  |
|-----------|---------------|--|
| <u>✓</u>  | <b>PASSED</b> | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| <u>NA</u> | <b>FAILED</b> | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| <u>NA</u> | <b>FAILED</b> | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09072901-005

Client/ID: TA ISG2199-25D

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 27; min: 26; max: 28.  
 Fish weight (gm): av: 0.35; min: 0.32; max: 0.40.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090703.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     | 24 Hr        |     |     |     | 48 Hr       |     |     |     | 72 Hr       |     |     |     | 96 Hr       |     |     |     |
|------------|--------------|-----|-----|--------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|
| Date/Time: | 7-30-09 1100 |     |     | 7-31-09 1100 |     |     |     | 8-1-09 1100 |     |     |     | 8-2-09 1100 |     |     |     | 8-3-09 1100 |     |     |     |
| Analyst:   | Rm           |     |     | Rm           |     |     |     | Rm          |     |     |     | J           |     |     |     | J           |     |     |     |
|            | °C           | DO  | pH  | °C           | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D | °C          | DO  | pH  | # D |
| Control A  | 20.4         | 8.5 | 7.1 | 21.1         | 8.2 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 21.1        | 8.1 | 7.2 | 0   | 20.9        | 8.1 | 7.1 | 0   |
| Control B  | 20.3         | 8.5 | 7.1 | 21.0         | 8.1 | 7.0 | 0   | 20.9        | 8.1 | 7.0 | 0   | 21.1        | 8.3 | 7.1 | 0   | 20.8        | 8.1 | 7.0 | 0   |
| 400 mg/l A | 20.2         | 8.5 | 7.2 | 21.2         | 8.4 | 7.1 | 0   | 21.2        | 8.3 | 7.0 | 0   | 21.0        | 8.3 | 7.0 | 0   | 20.8        | 7.7 | 7.0 | 0   |
| 400 mg/l B | 20.1         | 8.5 | 7.2 | 21.1         | 8.3 | 7.1 | 0   | 21.1        | 8.3 | 7.0 | 0   | 21.0        | 8.4 | 7.0 | 0   | 20.7        | 8.0 | 6.9 | 0   |
| 750 mg/l A | 20.2         | 8.5 | 7.2 | 21.0         | 8.5 | 7.1 | 0   | 21.0        | 8.5 | 7.1 | 0   | 21.0        | 9.1 | 7.0 | 0   | 20.8        | 8.2 | 6.9 | 0   |
| 750 mg/l B | 20.1         | 8.5 | 7.2 | 21.0         | 8.5 | 7.1 | 0   | 21.0        | 8.4 | 7.1 | 0   | 21.0        | 9.1 | 7.0 | 0   | 20.8        | 8.3 | 6.9 | 0   |

Comments: Extraction method: Mechanical shaking .  
 None (aqueous solution) .

Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |       |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|-------|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  |                   |       |
| Initial | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 44 mg/l CaCO <sub>3</sub> | Control           | 0 /20 |
| Final   | 31 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 30 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 400 mg/l          | 0 /20 |
|         |                           |                           |                           |                           | 750 mg/l          | 0 /20 |

**RESULTS**

(the checked result applies based on fish survival rates)

|                                     |               |  |
|-------------------------------------|---------------|--|
| <input checked="" type="checkbox"/> | <b>PASSED</b> | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| <input type="checkbox"/>            | <b>FAILED</b> | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| <input type="checkbox"/>            | <b>FAILED</b> | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |



**SUBCONTRACT ORDER**

TestAmerica Irvine

**ISG2199**

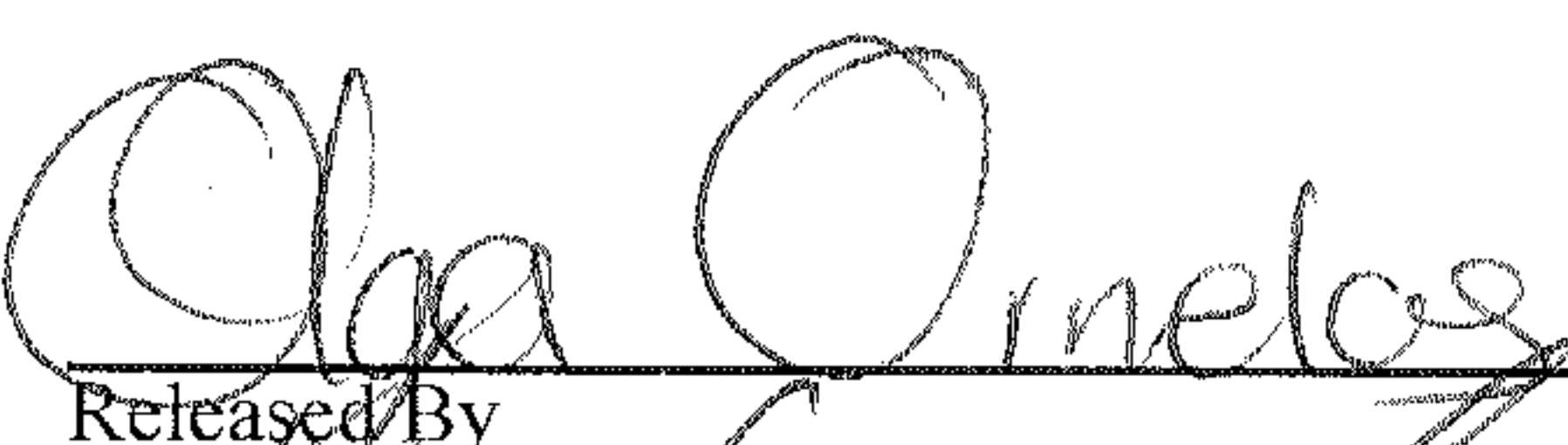
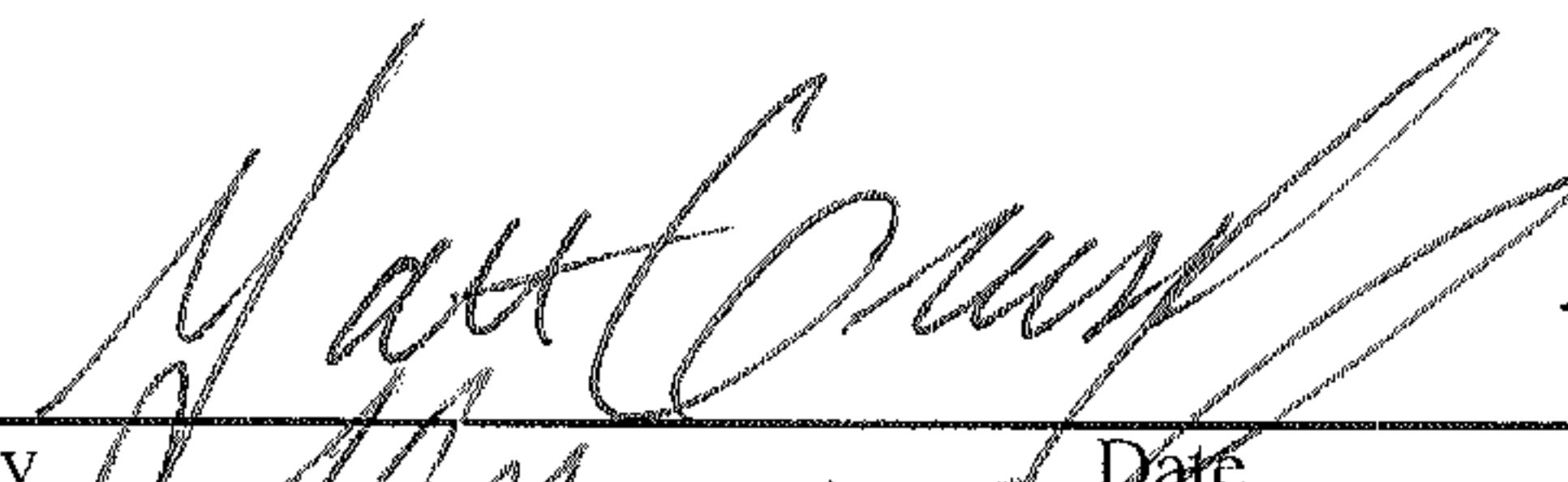
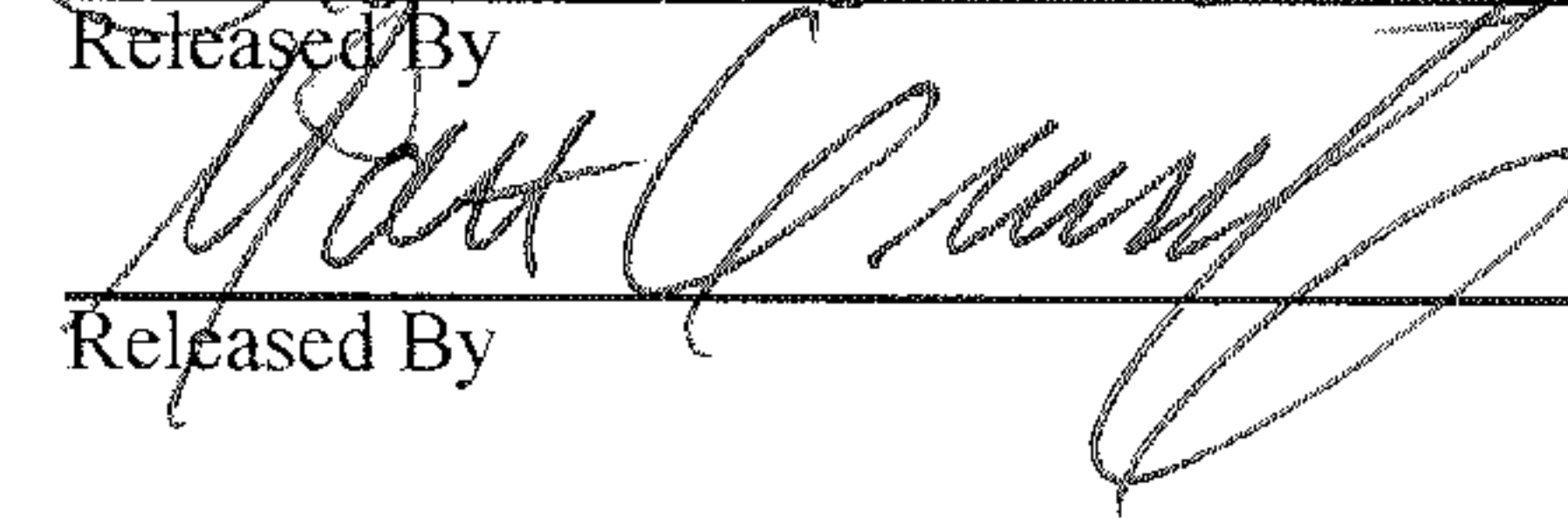
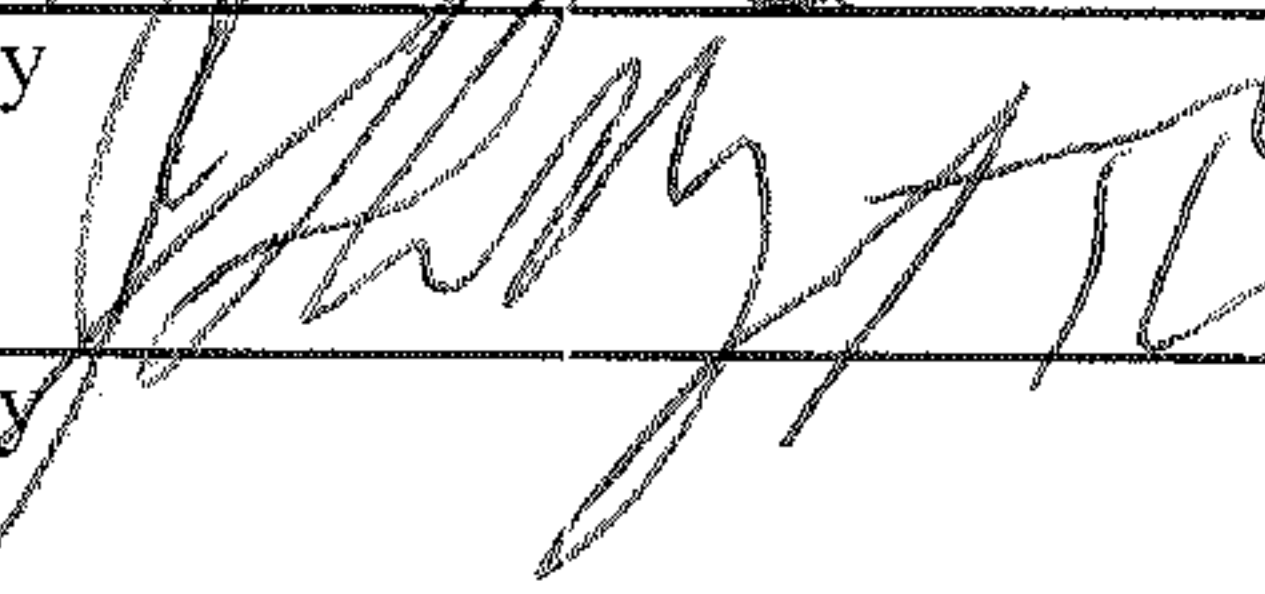
**SENDING LABORATORY:**

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

**RECEIVING LABORATORY:**

Aquatic Testing Laboratories-SUB  
 4350 Transport Street, Unit 107  
 Ventura, CA 93003  
 Phone : (805) 650-0546  
 Fax: (805) 650-0756

| Analysis                                    | Due            | Expires                       | Laboratory ID | Comments                              |
|---|----------------|-------------------------------|---------------|---------------------------------------|
| <b>Sample ID: ISG2199-03</b>                | <b>Soil</b>    | <b>Sampled:07/28/09 09:48</b> | [REDACTED]    | <b>PID- 0.9 ppm</b>                   |
| Bioassay-Haz. Waste                         | 08/06/09 12:00 | 08/04/09 09:48                |               | J Flags/Boeing/Sub to Aquatic Testing |
| <i>Containers Supplied:</i><br>2 oz Jar (D) |                |                               |               |                                       |
| <b>Sample ID: ISG2199-06</b>                | <b>Soil</b>    | <b>Sampled:07/28/09 10:56</b> | [REDACTED]    | <b>PID- 0.2 ppm</b>                   |
| Bioassay-Haz. Waste                         | 08/06/09 12:00 | 08/04/09 10:56                |               | J Flags/Boeing/Sub to Aquatic Testing |
| <i>Containers Supplied:</i><br>2 oz Jar (C) |                |                               |               |                                       |
| <b>Sample ID: ISG2199-13</b>                | <b>Soil</b>    | <b>Sampled:07/28/09 13:51</b> | [REDACTED]    | <b>PID- 0.0 ppm</b>                   |
| Bioassay-Haz. Waste                         | 08/06/09 12:00 | 08/04/09 13:51                |               | J Flags/Boeing/Sub to Aquatic Testing |
| <i>Containers Supplied:</i><br>2 oz Jar (D) |                |                               |               |                                       |
| <b>Sample ID: ISG2199-16</b>                | <b>Soil</b>    | <b>Sampled:07/28/09 09:17</b> | [REDACTED]    | <b>PID- 0.2 ppm</b>                   |
| Bioassay-Haz. Waste                         | 08/06/09 12:00 | 08/04/09 09:17                |               | J Flags/Boeing/Sub to Aquatic Testing |
| <i>Containers Supplied:</i><br>2 oz Jar (D) |                |                               |               |                                       |
| <b>Sample ID: ISG2199-25</b>                | <b>Soil</b>    | <b>Sampled:07/28/09 13:28</b> | [REDACTED]    | <b>PID- 0.1 ppm</b>                   |
| Bioassay-Haz. Waste                         | 08/06/09 12:00 | 08/04/09 13:28                |               | J Flags/Boeing/Sub to Aquatic Testing |
| <i>Containers Supplied:</i><br>2 oz Jar (D) |                |                               |               |                                       |

|  |         |       |   |               |
|--|---------|-------|---|---------------|
|  | 7-29-09 | 7:00  |  | 7-29-09/7:00  |
| Released By  | Date    |       | Received By   | Date          |
|  | 7-29-09 | 10:10 |  | 7-29-09 10:10 |
| Released By  | Date    |       | Received By   | Date          |



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

Avocet / Boeing

Lot D9G300196

Project ISG2199

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.

*Dee Kettula*  
for DiLea Griego  
Project Manager

August 3, 2009

# Table of Contents

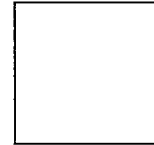
## Standard Deliverables

### Report Contents

### Total Number of Pages

#### **Standard Deliverables**

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for twenty-eight samples received at the TestAmerica Laboratory in Denver on July 30, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

## Quality Control Summary for Lot D9G300196

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 2.7°C.

Relinquished By information is not present on three of the four chains of custody. The client was notified on July 30, 2009.

### Total Metals- Method 7471A

The MS/MSD performed on sample ISG2199-01 associated with QC batch 9211372 exhibited a spike recovery outside QC control limits for Mercury. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

The MS/MSD performed on sample ISG2199-15 associated with QC batch 9211376 exhibited a spike recovery outside QC control limits for Mercury. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

## EXECUTIVE SUMMARY - Detection Highlights

D9G300196

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2199-01 07/28/09 09:07 001 |               |                            |              |                              |
| Mercury                       | 0.15          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-02 07/28/09 09:28 002 |               |                            |              |                              |
| Mercury                       | 0.082         | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-03 07/28/09 09:48 003 |               |                            |              |                              |
| Mercury                       | 0.14          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-04 07/28/09 09:53 004 |               |                            |              |                              |
| Mercury                       | 0.010 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-05 07/28/09 10:43 005 |               |                            |              |                              |
| Mercury                       | 0.014 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-06 07/28/09 10:56 006 |               |                            |              |                              |
| Mercury                       | 0.33          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-07 07/28/09 11:05 007 |               |                            |              |                              |
| Mercury                       | 0.30          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-09 07/28/09 11:39 009 |               |                            |              |                              |
| Mercury                       | 0.022 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-10 07/28/09 11:56 010 |               |                            |              |                              |
| Mercury                       | 0.017 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-11 07/28/09 13:26 011 |               |                            |              |                              |
| Mercury                       | 0.0073 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-13 07/28/09 13:51 013 |               |                            |              |                              |
| Mercury                       | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A                  |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D9G300196

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2199-14 07/28/09 14:05 014 |               |                            |              |                              |
| Mercury                       | 0.0087 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-15 07/28/09 09:05 015 |               |                            |              |                              |
| Mercury                       | 0.0092 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-17 07/28/09 09:37 017 |               |                            |              |                              |
| Mercury                       | 0.10          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-18 07/28/09 09:48 018 |               |                            |              |                              |
| Mercury                       | 0.020 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-19 07/28/09 10:42 019 |               |                            |              |                              |
| Mercury                       | 0.0078 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-20 07/28/09 10:53 020 |               |                            |              |                              |
| Mercury                       | 0.0070 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-21 07/28/09 11:05 021 |               |                            |              |                              |
| Mercury                       | 0.48          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-22 07/28/09 11:16 022 |               |                            |              |                              |
| Mercury                       | 0.038         | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-23 07/28/09 11:30 023 |               |                            |              |                              |
| Mercury                       | 0.010 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-24 07/28/09 11:42 024 |               |                            |              |                              |
| Mercury                       | 0.016 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-26 07/28/09 13:38 026 |               |                            |              |                              |
| Mercury                       | 0.019 J       | 0.033                      | mg/kg        | SW846 7471A                  |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D9G300196

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2199-27 07/28/09 13:48 027 |               |                            |              |                              |
| Mercury                       | 0.015 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2199-28 07/28/09 14:00 028 |               |                            |              |                              |
| Mercury                       | 0.017 J       | 0.033                      | mg/kg        | SW846 7471A                  |

# METHODS SUMMARY

D9G300196

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.



# METHOD / ANALYST SUMMARY

D9G300196

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>       | <u>ANALYST<br/>ID</u> |
|------------------------------|----------------------|-----------------------|
| SW846 7471A                  | Christopher Grisdale | 9582                  |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9G300196

| WO #  | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|-------|---------|------------------|--------------|-----------|
| LG9QW | 001     | ISG2199-01       | 07/28/09     | 09:07     |
| LG9Q1 | 002     | ISG2199-02       | 07/28/09     | 09:28     |
| LG9Q4 | 003     | ISG2199-03       | 07/28/09     | 09:48     |
| LG9Q6 | 004     | ISG2199-04       | 07/28/09     | 09:53     |
| LG9Q7 | 005     | ISG2199-05       | 07/28/09     | 10:43     |
| LG9Q8 | 006     | ISG2199-06       | 07/28/09     | 10:56     |
| LG9RE | 007     | ISG2199-07       | 07/28/09     | 11:05     |
| LG9RL | 008     | ISG2199-08       | 07/28/09     | 11:23     |
| LG9RM | 009     | ISG2199-09       | 07/28/09     | 11:39     |
| LG9RP | 010     | ISG2199-10       | 07/28/09     | 11:56     |
| LG9R1 | 011     | ISG2199-11       | 07/28/09     | 13:26     |
| LG9R3 | 012     | ISG2199-12       | 07/28/09     | 13:37     |
| LG9R6 | 013     | ISG2199-13       | 07/28/09     | 13:51     |
| LG9R9 | 014     | ISG2199-14       | 07/28/09     | 14:05     |
| LG9TD | 015     | ISG2199-15       | 07/28/09     | 09:05     |
| LG9TF | 016     | ISG2199-16       | 07/28/09     | 09:17     |
| LG9TJ | 017     | ISG2199-17       | 07/28/09     | 09:37     |
| LG9TM | 018     | ISG2199-18       | 07/28/09     | 09:48     |
| LG9TN | 019     | ISG2199-19       | 07/28/09     | 10:42     |
| LG9TQ | 020     | ISG2199-20       | 07/28/09     | 10:53     |
| LG9TW | 021     | ISG2199-21       | 07/28/09     | 11:05     |
| LG9T0 | 022     | ISG2199-22       | 07/28/09     | 11:16     |
| LG9T2 | 023     | ISG2199-23       | 07/28/09     | 11:30     |
| LG9T3 | 024     | ISG2199-24       | 07/28/09     | 11:42     |
| LG9T5 | 025     | ISG2199-25       | 07/28/09     | 13:28     |
| LG9T6 | 026     | ISG2199-26       | 07/28/09     | 13:38     |
| LG9T7 | 027     | ISG2199-27       | 07/28/09     | 13:48     |
| LG9T8 | 028     | ISG2199-28       | 07/28/09     | 14:00     |

## NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ISG2199-01

TOTAL Metals

Lot-Sample #...: D9G300196-001

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:07 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.15          | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9QW1AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 13:58 | MDL.....: 0.0055                      |                         |

TestAmerica Irvine

Client Sample ID: ISG2199-02

TOTAL Metals

Lot-Sample #...: D9G300196-002

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:28 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.082         | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9Q11AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:08 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-03

TOTAL Metals

Lot-Sample #...: D9G300196-003

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:48 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.14          | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9Q41AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 14:15 | MDL.....: 0.0055                      |                         |

TestAmerica Irvine

Client Sample ID: ISG2199-04

TOTAL Metals

Lot-Sample #...: D9G300196-004

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:53 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.010 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9Q61AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 14:17 | MDL.....: 0.0055                      |                         |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-05

TOTAL Metals

Lot-Sample #...: D9G300196-005

Matrix.....: SOLID

Date Sampled...: 07/28/09 10:43 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.014 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9Q71AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 14:20 | MDL.....: 0.0055                      |                         |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-06

TOTAL Metals

Lot-Sample #...: D9G300196-006

Matrix.....: SOLID

Date Sampled...: 07/28/09 10:56 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.33          | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9Q81AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:26 | MDL.....: 0.0055     |                |



TestAmerica Irvine

Client Sample ID: ISG2199-07

TOTAL Metals

Lot-Sample #...: D9G300196-007

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:05 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.30          | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9RE1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:29 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-08

TOTAL Metals

Lot-Sample #...: D9G300196-008

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:23 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | ND            | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9RL1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:31 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-09

TOTAL Metals

Lot-Sample #...: D9G300196-009

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:39 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.022 J       | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9RM1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:33 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-10

TOTAL Metals

Lot-Sample #...: D9G300196-010

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:56 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.017 J       | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9RP1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:36 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-11

TOTAL Metals

Lot-Sample #...: D9G300196-011

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:26 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9211372 |               |                                  |              |                         |   |                               |
| Mercury                  | 0.0073 J      | 0.033                            | mg/kg        | SW846 7471A             | 07/31/09                                    | LG9R11AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 14:38 | MDL.....: 0.0055                            |                               |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-12

TOTAL Metals

Lot-Sample #...: D9G300196-012

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:37 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | ND            | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9R31AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 14:40 | MDL.....: 0.0055                      |                         |

TestAmerica Irvine

Client Sample ID: ISG2199-13

TOTAL Metals

Lot-Sample #...: D9G300196-013

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:51 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211372 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9R61AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 14:43 | MDL.....: 0.0055                      |                         |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-14

TOTAL Metals

Lot-Sample #...: D9G300196-014

Matrix.....: SOLID

Date Sampled...: 07/28/09 14:05 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211372 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0087 J      | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9R91AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:45 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.



TestAmerica Irvine

Client Sample ID: ISG2199-15

TOTAL Metals

Lot-Sample #...: D9G300196-015

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:05 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0092 J      | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9TD1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 14:56 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-16

TOTAL Metals

Lot-Sample #...: D9G300196-016

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:17 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | ND            | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9TF1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:03 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-17

TOTAL Metals

Lot-Sample #...: D9G300196-017

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:37 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.10          | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9TJ1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:06 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-18

TOTAL Metals

Lot-Sample #...: D9G300196-018

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:48 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9211376 |               |                                  |              |                         |   |                               |
| Mercury                  | 0.020 J       | 0.033                            | mg/kg        | SW846 7471A             | 07/31/09                                    | LG9TM1AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 15:08 | MDL.....: 0.0055                            |                               |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-19

TOTAL Metals

Lot-Sample #....: D9G300196-019

Matrix.....: SOLID

Date Sampled....: 07/28/09 10:42 Date Received...: 07/30/09

| <u>PARAMETER</u>          | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|---------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                           |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #....: 9211376 |               |                    |              |                         |                      |                |
| Mercury                   | 0.0078 J      | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9TN1AA       |
|                           |               | Dilution Factor: 1 |              | Analysis Time...: 15:10 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-20

TOTAL Metals

Lot-Sample #...: D9G300196-020

Matrix.....: SOLID

Date Sampled...: 07/28/09 10:53 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9211376 |               |                                  |              |                         |   |                               |
| Mercury                  | 0.0070 J      | 0.033                            | mg/kg        | SW846 7471A             | 07/31/09                                    | LG9TQ1AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 15:17 | MDL.....: 0.0055                            |                               |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-21

TOTAL Metals

Lot-Sample #...: D9G300196-021

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:05 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.48          | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9TW1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:19 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-22

TOTAL Metals

Lot-Sample #...: D9G300196-022

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:16 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.038         | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9T01AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:22 | MDL.....: 0.0055     |                |



TestAmerica Irvine

Client Sample ID: ISG2199-23

TOTAL Metals

Lot-Sample #...: D9G300196-023

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:30 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211376 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.010 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9T21AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 15:24 | MDL.....: 0.0055                      |                         |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-24

TOTAL Metals

Lot-Sample #...: D9G300196-024

Matrix.....: SOLID

Date Sampled...: 07/28/09 11:42 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.016 J       | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9T31AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:26 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-25

TOTAL Metals

Lot-Sample #...: D9G300196-025

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:28 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | ND            | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9T51AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:29 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2199-26

TOTAL Metals

Lot-Sample #....: D9G300196-026

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:38 Date Received...: 07/30/09

| <u>PARAMETER</u>          | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|---------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #....: 9211376 |               |                            |              |                         |                                       |                         |
| Mercury                   | 0.019 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9T61AA                |
|                           |               | Dilution Factor: 1         |              | Analysis Time...: 15:31 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-27

TOTAL Metals

Lot-Sample #...: D9G300196-027

Matrix.....: SOLID

Date Sampled...: 07/28/09 13:48 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9211376 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.015 J       | 0.033                      | mg/kg        | SW846 7471A             | 07/31/09                              | LG9T71AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 15:33 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2199-28

TOTAL Metals

Lot-Sample #...: D9G300196-028

Matrix.....: SOLID

Date Sampled...: 07/28/09 14:00 Date Received...: 07/30/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9211376 |               |                    |              |                         |                      |                |
| Mercury                  | 0.017 J       | 0.033              | mg/kg        | SW846 7471A             | 07/31/09             | LG9T81AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 15:36 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

# QC DATA ASSOCIATION SUMMARY

D9G300196

## Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 002            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 003            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 004            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 005            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 006            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 007            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 008            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 009            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 010            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 011            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 012            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 013            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 014            | SOLID         | SW846 7471A                  |                          | 9211372                 | 9211245        |
| 015            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 016            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 017            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 018            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 019            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 020            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 021            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |

(Continued on next page)

# QC DATA ASSOCIATION SUMMARY

D9G300196

## Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 022            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 023            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 024            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 025            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 026            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 027            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |
| 028            | SOLID         | SW846 7471A                  |                          | 9211376                 | 9211248        |



METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

| <u>PARAMETER</u>   | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--|---------------|----------------------------------|--------------|---------------|---|-------------------------------|
| <b>MB Lot-Sample #: D9G300000-372 Prep Batch #...: 9211372</b> |               |                                  |              |               |   |                               |
| Mercury  | ND            | 0.033                            | mg/kg        | SW846 7471A   | 07/31/09                                    | LHANE1AA                      |
|  |               | Dilution Factor: 1               |              |               |   |                               |
|  |               | Analysis Time...: 13:53          |              |               |   |                               |
| <br>   |               |                                  |              |               |   |                               |
| <b>MB Lot-Sample #: D9G300000-376 Prep Batch #...: 9211376</b> |               |                                  |              |               |   |                               |
| Mercury  | ND            | 0.033                            | mg/kg        | SW846 7471A   | 07/31/09                                    | LHANP1AA                      |
|  |               | Dilution Factor: 1               |              |               |   |                               |
|  |               | Analysis Time...: 14:52          |              |               |   |                               |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|
| LCS Lot-Sample#: | D9G300000-372               | Prep Batch #...:           | 9211372       |                                       |                     |
| Mercury          | 97                          | (87 - 111)                 | SW846 7471A   | 07/31/09                              | LHANE1AC            |
|                  |                             | Dilution Factor: 1         |               | Analysis Time...: 13:56               |                     |
| LCS Lot-Sample#: | D9G300000-376               | Prep Batch #...:           | 9211376       |                                       |                     |
| Mercury          | 107                         | (87 - 111)                 | SW846 7471A   | 07/31/09                              | LHANP1AC            |
|                  |                             | Dilution Factor: 1         |               | Analysis Time...: 14:54               |                     |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D9G300196

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE AMOUNT</u> | <u>MEASURED AMOUNT</u> | <u>UNITS</u> | <u>PERCNT RECVRY</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|---------------------|------------------------|--------------|----------------------|---------------|-----------------------------------|---------------------|
|------------------|---------------------|------------------------|--------------|----------------------|---------------|-----------------------------------|---------------------|

LCS Lot-Sample#: D9G300000-372 Prep Batch #....: 9211372

|         |       |       |       |                    |                         |          |          |
|---------|-------|-------|-------|--------------------|-------------------------|----------|----------|
| Mercury | 0.417 | 0.403 | mg/kg | 97                 | SW846 7471A             | 07/31/09 | LHANE1AC |
|         |       |       |       | Dilution Factor: 1 | Analysis Time...: 13:56 |          |          |

LCS Lot-Sample#: D9G300000-376 Prep Batch #....: 9211376

|         |       |       |       |                    |                         |          |          |
|---------|-------|-------|-------|--------------------|-------------------------|----------|----------|
| Mercury | 0.417 | 0.446 | mg/kg | 107                | SW846 7471A             | 07/31/09 | LHANP1AC |
|         |       |       |       | Dilution Factor: 1 | Analysis Time...: 14:54 |          |          |

**NOTE(S) :**

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Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:07 Date Received...: 07/30/09

| <u>PARAMETER</u>  | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u>  | <u>RPD</u> | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|---|-------------------------|-------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|
| MS Lot-Sample #: D9G300196-001 Prep Batch #...: 9211372 |                         |                         |            |                   |               |                                   |                     |
| Mercury   | 90                      | (87 - 111)              |            |                   | SW846 7471A   | 07/31/09                          | LG9QW1AC            |
|   | 117 N                   | (87 - 111)              | 20         | (0-20)            | SW846 7471A   | 07/31/09                          | LG9QW1AD            |
|   |                         | Dilution Factor: 1      |            |                   |               |                                   |                     |
|   |                         | Analysis Time...: 14:00 |            |                   |               |                                   |                     |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:07 Date Received...: 07/30/09

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|-----------|---------------|-----------|---------------|-------|---------------|-----|--------|----------------------------|--------------|
|-----------|---------------|-----------|---------------|-------|---------------|-----|--------|----------------------------|--------------|

MS Lot-Sample #: D9G300196-001 Prep Batch #...: 9211372

Mercury

|      |       |       |         |     |    |  |             |          |          |
|------|-------|-------|---------|-----|----|--|-------------|----------|----------|
| 0.15 | 0.410 | 0.520 | mg/kg   | 90  |    |  | SW846 7471A | 07/31/09 | LG9QW1AC |
| 0.15 | 0.410 | 0.632 | N mg/kg | 117 | 20 |  | SW846 7471A | 07/31/09 | LG9QW1AD |

Dilution Factor: 1

Analysis Time...: 14:00

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:05 Date Received...: 07/30/09

| <u>PARAMETER</u>   | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>RPD</u>              | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|-------------------------|------------------------|-------------------------|-------------------|---------------|-----------------------------------|---------------------|
| <b>MS Lot-Sample #: D9G300196-015 Prep Batch #...: 9211376</b> |                         |                        |                         |                   |               |                                   |                     |
| Mercury  | 113 N                   | (87 - 111)             |                         |                   | SW846 7471A   | 07/31/09                          | LG9TD1AC            |
|  | 108                     | (87 - 111)             | 4.1                     | (0-20)            | SW846 7471A   | 07/31/09                          | LG9TD1AD            |
|  |                         |                        | Dilution Factor: 1      |                   |               |                                   |                     |
|  |                         |                        | Analysis Time...: 14:59 |                   |               |                                   |                     |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9G300196

Matrix.....: SOLID

Date Sampled...: 07/28/09 09:05 Date Received...: 07/30/09

| PARAMETER | SAMPLE AMOUNT | SPIKE AMT | MEASRD AMOUNT | UNITS | PERCNT RECVRY | RPD | METHOD | PREPARATION- ANALYSIS DATE | WORK ORDER # |
|-----------|---------------|-----------|---------------|-------|---------------|-----|--------|----------------------------|--------------|
|-----------|---------------|-----------|---------------|-------|---------------|-----|--------|----------------------------|--------------|

MS Lot-Sample #: D9G300196-015 Prep Batch #...: 9211376

|         |        |       |       |         |     |     |             |          |          |
|---------|--------|-------|-------|---------|-----|-----|-------------|----------|----------|
| Mercury |        |       |       |         |     |     |             |          |          |
|         | 0.0092 | 0.410 | 0.471 | N mg/kg | 113 |     | SW846 7471A | 07/31/09 | LG9TD1AC |
|         | 0.0092 | 0.410 | 0.452 | mg/kg   | 108 | 4.1 | SW846 7471A | 07/31/09 | LG9TD1AD |

Dilution Factor: 1  
Analysis Time...: 14:59

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
N Spiked analyte recovery is outside stated control limits.

*TestAmerica Denver*  
**Sample Receiving Checklist**

Lot #: D9G300196 Date/Time Received: 7/30/09 0900

Company Name & Sampling Site: TA IRVINE BOEING

PM to Complete This Section: Yes  No  Residual chlorine check required:  Quarantined: Yes  No

Quote #: 72743

Special Instructions:  
 - Log 7471A  
 - Log Analytical/Report due 8/4/09

Time Zone:  
 • EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

**Unpacking Checks:**

Cooler #(s): 1

Temperatures (°C): 2.7

N/A Yes No

- 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.
- 2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes:  No:
- 3. Chain of custody present? If no, document on CUR.
- 4. Bottles broken and/or are leaking? If yes, document on CUR.
- 5. Multiphasic samples obvious? If yes, document on CUR.
- 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.
- 7. pH of all samples checked and meet requirements? If no, document on CUR.
- 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.
- 10. Were VOA samples without headspace? If no, document on CUR.
- 11. Were VOA vials preserved? Preservative  HCl  4±2°C  Sodium Thiosulfate  Ascorbic Acid
- 12. Did samples require preservation with sodium thiosulfate?
- 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.
- 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.
- 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.
- 17. Are analyses with short holding times requested?
- 18. Was a quick Turn Around (TAT) requested?

*Initials*



TestAmerica Denver  
Sample Receiving Checklist

Lot # D9G300196

Login Checks:

N/A Yes No

Initials  
AE

- 19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- 22. Were special log in instructions read and followed?
- 23. Were AFCEE metals logged for refrigerated storage?
- 24. Were tests logged checked against the COC? Which samples were confirmed? All
- 25. Was a Rush form completed for quick TAT?
- 26. Was a Short Hold form completed for any short holds?
- 27. Were special archiving instructions indicated in the General Comments? If so, what were they?

Labeling and Storage Checks:

Initials  
AE

- 28. Was the subcontract COC signed and sent with samples to bottle prep?
- 29. Were sample labels double-checked by a second person?
- 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- 31. Did the sample ID, Date, and Time from label match what was logged?
- 32. Were stickers for special archiving instructions affixed to each box? See #27
- 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

2.7<sup>80</sup>  
7-30-09  
17

**SUBCONTRACT ORDER**

**TestAmerica Irvine**

**ISG2199**

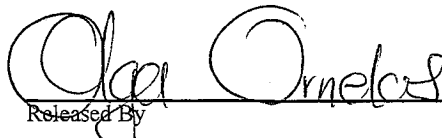
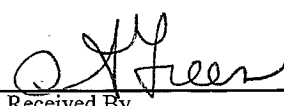
**SENDING LABORATORY:**

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

**RECEIVING LABORATORY:**

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone : (303) 736-0100  
Fax: (303) 431-7171

| Analysis  | Due            | Expires                | Laboratory ID | Comments                     |
|---|----------------|------------------------|---------------|------------------------------|
| <b>Sample ID: ISG2199-01</b>                    | Soil           | Sampled:07/28/09 09:07 | [REDACTED]    | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 09:07         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-02</b>                    | Soil           | Sampled:07/28/09 09:28 | [REDACTED]    | <b>PID- 0.3 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 09:28         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-03</b>                    | Soil           | Sampled:07/28/09 09:48 | [REDACTED]    | <b>PID- 0.9 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 09:48         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-04</b>                    | Soil           | Sampled:07/28/09 09:53 | [REDACTED]    | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 09:53         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-05</b>                    | Soil           | Sampled:07/28/09 10:43 | [REDACTED]    | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 10:43         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |
| <b>Sample ID: ISG2199-06</b>                    | Soil           | Sampled:07/28/09 10:56 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 10:56         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |



  
 Released By: Olga Ornelas Date: 7/29/09 17:00 Received By: J. Green Date: 7/30/09 09:00

Released By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

**SUBCONTRACT ORDER**

TestAmerica Irvine

**ISG2199**

| Analysis  | Due            | Expires                | Laboratory ID | Comments                     |
|---|----------------|------------------------|---------------|------------------------------|
| <b>Sample ID: ISG2199-07</b>                    | Soil           | Sampled:07/28/09 11:05 | [REDACTED]    | <b>PID- 0.3 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:05         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |
| <b>Sample ID: ISG2199-08</b>                    | Soil           | Sampled:07/28/09 11:23 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:23         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |
| <b>Sample ID: ISG2199-09</b>                    | Soil           | Sampled:07/28/09 11:39 | [REDACTED]    | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:39         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |
| <b>Sample ID: ISG2199-10</b>                    | Soil           | Sampled:07/28/09 11:56 | [REDACTED]    | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:56         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                        |               |                              |
| <b>Sample ID: ISG2199-11</b>                    | Soil           | Sampled:07/28/09 13:26 | [REDACTED]    | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:26         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-12</b>                    | Soil           | Sampled:07/28/09 13:37 | [REDACTED]    | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:37         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-13</b>                    | Soil           | Sampled:07/28/09 13:51 | [REDACTED]    | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:51         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |
| <b>Sample ID: ISG2199-14</b>                    | Soil           | Sampled:07/28/09 14:05 | [REDACTED]    | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 14:05         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                        |               |                              |

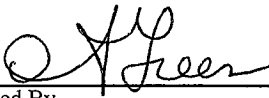
|             |      |                    |             |
|-------------|------|--------------------|-------------|
| Released By | Date | Received By        | Date        |
|             |      | <i>[Signature]</i> | 7/30/9 0900 |
| Released By | Date | Received By        | Date        |

**SUBCONTRACT ORDER**

TestAmerica Irvine

**ISG2199**

| Analysis                     | Due            | Expires                | Laboratory ID | Comments                     |
|------------------------------|----------------|------------------------|---------------|------------------------------|
| <b>Sample ID: ISG2199-15</b> | Soil           | Sampled:07/28/09 09:05 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 09:05         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (C)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-16</b> | Soil           | Sampled:07/28/09 09:17 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 09:17         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (C)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-17</b> | Soil           | Sampled:07/28/09 09:37 | [REDACTED]    | <b>PID- 0.5 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 09:37         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (C)             | 4 oz Jar (D)   |                        |               |                              |
| <b>Sample ID: ISG2199-18</b> | Soil           | Sampled:07/28/09 09:48 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 09:48         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (C)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-19</b> | Soil           | Sampled:07/28/09 10:42 | [REDACTED]    | <b>PID- 0.5 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 10:42         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (B)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-20</b> | Soil           | Sampled:07/28/09 10:53 | [REDACTED]    | <b>PID- 0.2 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 10:53         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (B)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-21</b> | Soil           | Sampled:07/28/09 11:05 | [REDACTED]    | <b>PID- 0.3 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 11:05         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (B)             |                |                        |               |                              |
| <b>Sample ID: ISG2199-22</b> | Soil           | Sampled:07/28/09 11:16 | [REDACTED]    | <b>PID- 0.3 ppm</b>          |
| Mercury-7470/7471-OUT        | 08/04/09 12:00 | 08/25/09 11:16         |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |                |                        |               |                              |
| Brass Sleeve (B)             |                |                        |               |                              |

|             |      |  |              |
|-------------|------|--|--------------|
| Released By | Date | Received By  | Date         |
|             |      |  | 7/30/09 0900 |
| Released By | Date | Received By  | Date         |

SUBCONTRACT ORDER

TestAmerica Irvine

ISG2199

| Analysis  | Due            | Expires                       | Laboratory ID | Comments                     |
|---|----------------|-------------------------------|---------------|------------------------------|
| <b>Sample ID: ISG2199-23</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 11:30</b> |               | <b>PID- 0.7 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:30                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                               |               |                              |
| <b>Sample ID: ISG2199-24</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 11:42</b> |               | <b>PID- 0.4 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 11:42                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (B) |                |                               |               |                              |
| <b>Sample ID: ISG2199-25</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 13:28</b> |               | <b>PID- 0.1 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:28                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                               |               |                              |
| <b>Sample ID: ISG2199-26</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 13:38</b> |               | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:38                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                               |               |                              |
| <b>Sample ID: ISG2199-27</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 13:48</b> |               | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 13:48                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                               |               |                              |
| <b>Sample ID: ISG2199-28</b>                    | <b>Soil</b>    | <b>Sampled:07/28/09 14:00</b> |               | <b>PID- 0.0 ppm</b>          |
| Mercury-7470/7471-OUT                           | 08/04/09 12:00 | 08/25/09 14:00                |               | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>Brass Sleeve (C) |                |                               |               |                              |

Released By

Date

Received By

Date

*[Signature]*

7/30/9 0900

Released By

Date

Received By

Date

## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
1891614

Sampled: 07/29/09  
Received: 07/29/09  
Issued: 08/11/09 12:43

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain(s) of Custody, 5 pages, are included and are an integral part of this report.*

*This entire report was reviewed and approved for release.*

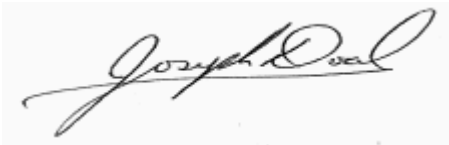
## SAMPLE CROSS REFERENCE

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

ADDITIONAL INFORMATION: This is an amended report to provide added analysis for STLC Chromium.

| LABORATORY ID | CLIENT ID    | MATRIX |
|---------------|--------------|--------|
| ISG2313-01    | ISWC0077S001 | Soil   |
| ISG2313-02    | ISWC0078S001 | Soil   |
| ISG2313-03    | ISWC0079S001 | Soil   |
| ISG2313-04    | ISWC0080S001 | Soil   |
| ISG2313-05    | ISWC0081S001 | Soil   |
| ISG2313-06    | ISWC0086S001 | Soil   |
| ISG2313-07    | ISWC0087S001 | Soil   |
| ISG2313-08    | ISWC0088S001 | Soil   |
| ISG2313-09    | ISWC0089S001 | Soil   |
| ISG2313-10    | ISWC0084S001 | Soil   |
| ISG2313-11    | ISWC0085S001 | Soil   |
| ISG2313-12    | ISWC0090S001 | Soil   |
| ISG2313-13    | ISWC0091S001 | Soil   |
| ISG2313-14    | ISWC0092S001 | Soil   |
| ISG2313-15    | ISWC0093S001 | Soil   |

Reviewed By:



TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-01 (ISWC0077S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | <b>8.9</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | <b>54</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | <b>0.85</b>   | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>23</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>7.7</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | <b>17</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | <b>8.4</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>0.22</b>   | 1               | 07/30/09       | 07/30/09      | J               |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>14</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>33</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | <b>53</b>     | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-02 (ISWC0078S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | <b>3.7</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | <b>48</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | <b>0.51</b> | 1 | 07/30/09 | 07/30/09 |  |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>9.7</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>3.0</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | <b>3.8</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | <b>3.4</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | <b>4.4</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>19</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | <b>31</b>   | 1 | 07/30/09 | 07/30/09 |  |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-03 (ISWC0079S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | <b>4.3</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | <b>53</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | <b>0.62</b>   | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>12</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>3.6</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | <b>4.7</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | <b>5.9</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>7.4</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>22</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | <b>34</b>     | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-04 (ISWC0080S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | <b>5.2</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | <b>99</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | <b>0.84</b> | 1 | 07/30/09 | 07/30/09 |  |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>17</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>7.5</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | <b>8.5</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | <b>8.2</b>  | 1 | 07/30/09 | 07/30/09 |  |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | <b>12</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |  |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>31</b>   | 1 | 07/30/09 | 07/30/09 |  |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | <b>42</b>   | 1 | 07/30/09 | 07/30/09 |  |

### TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-05 (ISWC0081S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | 4.5           | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | 92            | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | 0.68          | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 14            | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 5.5           | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | 5.8           | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | 4.6           | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | 9.6           | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | 1.5           | 1               | 07/30/09       | 07/30/09      | J               |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 27            | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | 37            | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-06 (ISWC0086S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |  |
|------------|-----------|---------|------|------|------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | 5.1  | 1 | 07/30/09 | 07/30/09 |  |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | 81   | 1 | 07/30/09 | 07/30/09 |  |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | 0.66 | 1 | 07/30/09 | 07/30/09 |  |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 29   | 1 | 07/30/09 | 07/30/09 |  |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | 7.8  | 1 | 07/30/09 | 07/30/09 |  |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | 15   | 1 | 07/30/09 | 07/30/09 |  |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | 6.7  | 1 | 07/30/09 | 07/30/09 |  |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | 14   | 1 | 07/30/09 | 07/30/09 |  |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |  |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 50   | 1 | 07/30/09 | 07/30/09 |  |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | 61   | 1 | 07/30/09 | 07/30/09 |  |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-07 (ISWC0087S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | 4.5           | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | 83            | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | 0.63          | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 27            | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 8.0           | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | 15            | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | 7.2           | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | 14            | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 49            | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | 61            | 1               | 07/30/09       | 07/30/09      |                 |

## Sample ID: ISG2313-08 (ISWC0088S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | 4.6  | 1 | 07/30/09 | 07/30/09 |   |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | 82   | 1 | 07/30/09 | 07/30/09 |   |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | 0.58 | 1 | 07/30/09 | 07/30/09 |   |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | 0.89 | 1 | 07/30/09 | 07/30/09 |   |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 57   | 1 | 07/30/09 | 07/30/09 |   |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | 8.1  | 1 | 07/30/09 | 07/30/09 |   |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | 110  | 1 | 07/30/09 | 07/30/09 |   |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | 20   | 1 | 07/30/09 | 07/30/09 |   |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | 1.1  | 1 | 07/30/09 | 07/30/09 | J |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | 40   | 1 | 07/30/09 | 07/30/09 |   |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | 4.7  | 1 | 07/30/09 | 07/30/09 |   |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 34   | 1 | 07/30/09 | 07/30/09 |   |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | 100  | 1 | 07/30/09 | 07/30/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-09 (ISWC0089S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | <b>4.5</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | <b>81</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | <b>0.63</b>   | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>28</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>7.8</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | <b>15</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | <b>7.3</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>15</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>47</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | <b>60</b>     | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-10 (ISWC0084S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | <b>4.9</b>  | 1 | 07/30/09 | 07/30/09 |   |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | <b>67</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | <b>0.61</b> | 1 | 07/30/09 | 07/30/09 |   |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | <b>0.23</b> | 1 | 07/30/09 | 07/30/09 | J |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>15</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>4.5</b>  | 1 | 07/30/09 | 07/30/09 |   |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | <b>12</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | <b>34</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | <b>9.1</b>  | 1 | 07/30/09 | 07/30/09 |   |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>25</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | <b>41</b>   | 1 | 07/30/09 | 07/30/09 |   |

TestAmerica Irvine

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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-11 (ISWC0085S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | 4.7           | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | 85            | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | 0.66          | 1               | 07/30/09       | 07/30/09      |                 |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 28            | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 8.0           | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | 15            | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | 8.0           | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | 15            | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | 50            | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | 63            | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-12 (ISWC0090S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | 5.0  | 1 | 07/30/09 | 07/30/09 |   |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | 73   | 1 | 07/30/09 | 07/30/09 |   |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | 0.49 | 1 | 07/30/09 | 07/30/09 | J |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 15   | 1 | 07/30/09 | 07/30/09 |   |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | 5.2  | 1 | 07/30/09 | 07/30/09 |   |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | 15   | 1 | 07/30/09 | 07/30/09 |   |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | 12   | 1 | 07/30/09 | 07/30/09 |   |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | 12   | 1 | 07/30/09 | 07/30/09 |   |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND   | 1 | 07/30/09 | 07/30/09 |   |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | 30   | 1 | 07/30/09 | 07/30/09 |   |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | 60   | 1 | 07/30/09 | 07/30/09 |   |

TestAmerica Irvine

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-13 (ISWC0091S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | <b>4.0</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | <b>77</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | <b>0.42</b>   | 1               | 07/30/09       | 07/30/09      | J               |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>13</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>4.3</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | <b>9.2</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | <b>9.4</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>8.8</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>25</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | <b>46</b>     | 1               | 07/30/09       | 07/30/09      |                 |

### Sample ID: ISG2313-14 (ISWC0092S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9G30085 | 0.88 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Arsenic    | EPA 6010B | 9G30085 | 0.81 | 2.0  | <b>4.9</b>  | 1 | 07/30/09 | 07/30/09 |   |
| Barium     | EPA 6010B | 9G30085 | 0.80 | 1.0  | <b>67</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Beryllium  | EPA 6010B | 9G30085 | 0.20 | 0.50 | <b>0.45</b> | 1 | 07/30/09 | 07/30/09 | J |
| Cadmium    | EPA 6010B | 9G30085 | 0.20 | 0.50 | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Chromium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>15</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Cobalt     | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>4.4</b>  | 1 | 07/30/09 | 07/30/09 |   |
| Copper     | EPA 6010B | 9G30085 | 0.38 | 2.0  | <b>11</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Lead       | EPA 6010B | 9G30085 | 0.40 | 2.0  | <b>11</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Molybdenum | EPA 6010B | 9G30085 | 0.20 | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Nickel     | EPA 6010B | 9G30085 | 0.20 | 2.0  | <b>10</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Selenium   | EPA 6010B | 9G30085 | 1.0  | 2.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Silver     | EPA 6010B | 9G30085 | 0.80 | 1.0  | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Thallium   | EPA 6010B | 9G30085 | 0.80 | 10   | ND          | 1 | 07/30/09 | 07/30/09 |   |
| Vanadium   | EPA 6010B | 9G30085 | 0.30 | 1.0  | <b>26</b>   | 1 | 07/30/09 | 07/30/09 |   |
| Zinc       | EPA 6010B | 9G30085 | 0.75 | 5.0  | <b>47</b>   | 1 | 07/30/09 | 07/30/09 |   |

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 Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-15 (ISWC0093S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9G30085 | 0.88      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Arsenic  | EPA 6010B | 9G30085 | 0.81      | 2.0             | <b>5.8</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Barium   | EPA 6010B | 9G30085 | 0.80      | 1.0             | <b>77</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Beryllium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | <b>0.47</b>   | 1               | 07/30/09       | 07/30/09      | J               |
| Cadmium  | EPA 6010B | 9G30085 | 0.20      | 0.50            | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Chromium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>16</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Cobalt   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>5.5</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Copper   | EPA 6010B | 9G30085 | 0.38      | 2.0             | <b>12</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Lead   | EPA 6010B | 9G30085 | 0.40      | 2.0             | <b>9.5</b>    | 1               | 07/30/09       | 07/30/09      |                 |
| Molybdenum   | EPA 6010B | 9G30085 | 0.20      | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Nickel   | EPA 6010B | 9G30085 | 0.20      | 2.0             | <b>13</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Selenium   | EPA 6010B | 9G30085 | 1.0       | 2.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Silver   | EPA 6010B | 9G30085 | 0.80      | 1.0             | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Thallium   | EPA 6010B | 9G30085 | 0.80      | 10              | ND            | 1               | 07/30/09       | 07/30/09      |                 |
| Vanadium   | EPA 6010B | 9G30085 | 0.30      | 1.0             | <b>32</b>     | 1               | 07/30/09       | 07/30/09      |                 |
| Zinc   | EPA 6010B | 9G30085 | 0.75      | 5.0             | <b>49</b>     | 1               | 07/30/09       | 07/30/09      |                 |

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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## SW846 7471A

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-01 (ISWC0077S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.025</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-02 (ISWC0078S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| <b>Sample ID: ISG2313-03 (ISWC0079S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.012</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-04 (ISWC0080S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.018</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-05 (ISWC0081S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.0083</b> | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-06 (ISWC0086S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.0059</b> | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-07 (ISWC0087S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| <b>Sample ID: ISG2313-08 (ISWC0088S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.37</b>   | 1               | 08/04/09       | 08/04/09      |                 |
| <b>Sample ID: ISG2313-09 (ISWC0089S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | ND            | 1               | 08/04/09       | 08/04/09      |                 |
| <b>Sample ID: ISG2313-10 (ISWC0084S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.017</b>  | 1               | 08/04/09       | 08/04/09      | J               |

### TestAmerica Irvine

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 Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## SW846 7471A

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2313-11 (ISWC0085S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.0066</b> | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-12 (ISWC0090S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.0094</b> | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-13 (ISWC0091S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.012</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-14 (ISWC0092S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.013</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2313-15 (ISWC0093S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.021</b>  | 1               | 08/04/09       | 08/04/09      | J               |

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Sampled: 07/29/09  
Received: 07/29/09

## STLC METALS

| Analyte                                     | Batch   | MDL<br>Limit | Reporting<br>Limit | Sample<br>Result | Dilution<br>Factor | STLC<br>Limit | Date<br>Extracted | Date<br>Analyzed | Data<br>Qualifiers |
|---|---------|--------------|--------------------|------------------|--------------------|---------------|-------------------|------------------|--------------------|
| Sample ID: ISG2313-08 (ISWC0088S001 - Soil) |         |              |                    |                  |                    |               |                   |                  |                    |
| Reporting Units: mg/l                       |         |              |                    |                  |                    |               |                   |                  |                    |
| Chromium                                    | 9H10108 | 0.040        | 0.10               | 0.095            | 1                  | 5.0           | 8/10/2009         | 8/10/2009        | J                  |

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The Boeing Company-SSFL  
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Sampled: 07/29/09  
Received: 07/29/09

## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

| Analyte   | Method   | Batch   | Extraction Start Date | Extraction End Date | Data Qualifiers |
|---|----------|---------|-----------------------|---------------------|-----------------|
| Sample ID: ISG2313-08 (ISWC0088S001 - Soil)<br>Extraction | STLC-Met | 9H08036 | 8/8/2009              | 8/10/2009           |                 |

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**ISG2313 <Page 13 of 27>**

The Boeing Company-SSFL  
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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-01 (ISWC0077S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 8.9           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 54            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.85          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 23            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.7           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 17            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 8.4           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | 0.22          | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 33            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 53            | 250                           | 5000                           |                               |
| <b>ISG2313-02 (ISWC0078S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 3.7           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 48            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.51          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 9.7           | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 3.0           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 3.8           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 3.4           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 4.4           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 19            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 31            | 250                           | 5000                           |                               |

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-03 (ISWC0079S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.3           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 53            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.62          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 12            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 3.6           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 4.7           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 5.9           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 7.4           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 22            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 34            | 250                           | 5000                           |                               |
| <b>ISG2313-04 (ISWC0080S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 5.2           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 99            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.84          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 17            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.5           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 8.5           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 8.2           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 12            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 31            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 42            | 250                           | 5000                           |                               |

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-05 (ISWC0081S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.5           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 92            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.68          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 14            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.5           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 5.8           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 4.6           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 9.6           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | 1.5           | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 27            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 37            | 250                           | 5000                           |                               |
| <b>ISG2313-06 (ISWC0086S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 5.1           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 81            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.66          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 29            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 6.7           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 50            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 61            | 250                           | 5000                           |                               |

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1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-07 (ISWC0087S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 4.5           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 83            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.63          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 27            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 8.0           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 15            | 25                            | 2500                           |                               |
| Lead  | mg/kg        | 7.2           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 49            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 61            | 250                           | 5000                           |                               |
| <b>ISG2313-08 (ISWC0088S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 4.6           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 82            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.58          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | 0.89          | 1.0                           | 100                            | 1.0                           |
| <b>Chromium</b>                                   | <b>mg/kg</b> | <b>57</b>     | <b>5.0</b>                    | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 8.1           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 110           | 25                            | 2500                           |                               |
| Lead  | mg/kg        | 20            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 1.1           | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 40            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | 4.7           | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 34            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 100           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

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Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-09 (ISWC0089S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.5           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 81            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.63          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 7.3           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 15            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 47            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 60            | 250                           | 5000                           |                               |
| <b>ISG2313-10 (ISWC0084S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.9           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 67            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.61          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | 0.23          | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 15            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.5           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 12            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 34            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 9.1           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 25            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 41            | 250                           | 5000                           |                               |

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 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-11 (ISWC0085S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.7           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 85            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.66          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 8.0           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 8.0           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 15            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 50            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 63            | 250                           | 5000                           |                               |
| <b>ISG2313-12 (ISWC0090S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 5.0           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 73            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.49          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 15            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.2           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 15            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 12            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 12            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 30            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 60            | 250                           | 5000                           |                               |

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1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-13 (ISWC0091S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.0           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 77            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.42          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 13            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.3           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 9.2           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 9.4           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 8.8           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 25            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 46            | 250                           | 5000                           |                               |
| <b>ISG2313-14 (ISWC0092S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.9           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 67            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.45          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 15            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.4           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 11            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 11            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 10            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 26            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 47            | 250                           | 5000                           |                               |

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 Attention: Tom Venable

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 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2313-15 (ISWC0093S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 5.8           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 77            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.47          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 16            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.5           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 12            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 9.5           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 13            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 32            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 49            | 250                           | 5000                           |                               |

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1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|---------|---------|-----------------|
| <b>Batch: 9G30085 Extracted: 07/30/09</b>        |        |                 |      |       |             |               |           |         |         |                 |
| <b>Blank Analyzed: 07/30/2009 (9G30085-BLK1)</b> |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |         |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |         |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |         |         |                 |
| Lead   | 0.458  | 2.0             | 0.40 | mg/kg |             |               |           |         |         | J               |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Nickel   | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |         |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Thallium   | ND     | 10              | 0.80 | mg/kg |             |               |           |         |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Zinc   | ND     | 5.0             | 0.75 | mg/kg |             |               |           |         |         |                 |
| <b>LCS Analyzed: 07/30/2009 (9G30085-BS1)</b>    |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | 45.4   | 10              | 0.88 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Arsenic  | 45.6   | 2.0             | 0.81 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Barium   | 48.3   | 1.0             | 0.80 | mg/kg | 50.0        |               | 97        | 80-120  |         |                 |
| Beryllium  | 47.1   | 0.50            | 0.20 | mg/kg | 50.0        |               | 94        | 80-120  |         |                 |
| Cadmium  | 45.7   | 0.50            | 0.20 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Chromium   | 45.4   | 1.0             | 0.30 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Cobalt   | 45.4   | 1.0             | 0.30 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Copper   | 48.1   | 2.0             | 0.38 | mg/kg | 50.0        |               | 96        | 80-120  |         |                 |
| Lead   | 45.8   | 2.0             | 0.40 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Molybdenum                                       | 43.2   | 2.0             | 0.20 | mg/kg | 50.0        |               | 86        | 80-120  |         |                 |
| Nickel   | 46.3   | 2.0             | 0.20 | mg/kg | 50.0        |               | 93        | 80-120  |         |                 |
| Selenium   | 40.9   | 2.0             | 1.0  | mg/kg | 50.0        |               | 82        | 80-120  |         |                 |
| Silver   | 24.1   | 1.0             | 0.80 | mg/kg | 25.0        |               | 97        | 80-120  |         |                 |
| Thallium   | 44.3   | 10              | 0.80 | mg/kg | 50.0        |               | 89        | 80-120  |         |                 |
| Vanadium   | 47.4   | 1.0             | 0.30 | mg/kg | 50.0        |               | 95        | 80-120  |         |                 |
| Zinc   | 44.4   | 5.0             | 0.75 | mg/kg | 50.0        |               | 89        | 80-120  |         |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9G30085 Extracted: 07/30/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 07/30/2009 (9G30085-MS1)</b>      |        |                 |      |       |             | <b>Source: ISG2312-01</b> |           |             |     |           |                 |
| Antimony  | 15.6   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 31        | 75-125      |     |           | M2              |
| Arsenic   | 51.7   | 2.0             | 0.81 | mg/kg | 50.0        | 9.53                      | 84        | 75-125      |     |           |                 |
| Barium  | 91.0   | 1.0             | 0.80 | mg/kg | 50.0        | 51.9                      | 78        | 75-125      |     |           |                 |
| Beryllium   | 44.6   | 0.50            | 0.20 | mg/kg | 50.0        | 0.376                     | 89        | 75-125      |     |           |                 |
| Cadmium   | 42.3   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 85        | 75-125      |     |           |                 |
| Chromium  | 62.3   | 1.0             | 0.30 | mg/kg | 50.0        | 20.4                      | 84        | 75-125      |     |           |                 |
| Cobalt  | 48.2   | 1.0             | 0.30 | mg/kg | 50.0        | 6.86                      | 83        | 75-125      |     |           |                 |
| Copper  | 61.3   | 2.0             | 0.38 | mg/kg | 50.0        | 16.5                      | 90        | 75-125      |     |           |                 |
| Lead  | 48.8   | 2.0             | 0.40 | mg/kg | 50.0        | 6.50                      | 85        | 75-125      |     |           |                 |
| Molybdenum  | 40.3   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 81        | 75-125      |     |           |                 |
| Nickel  | 58.3   | 2.0             | 0.20 | mg/kg | 50.0        | 16.7                      | 83        | 75-125      |     |           |                 |
| Selenium  | 39.7   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 79        | 75-125      |     |           |                 |
| Silver  | 22.1   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 88        | 75-125      |     |           |                 |
| Thallium  | 41.3   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 83        | 75-125      |     |           |                 |
| Vanadium  | 75.4   | 1.0             | 0.30 | mg/kg | 50.0        | 31.8                      | 87        | 75-125      |     |           |                 |
| Zinc  | 78.4   | 5.0             | 0.75 | mg/kg | 50.0        | 39.2                      | 78        | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 07/30/2009 (9G30085-MSD1)</b> |        |                 |      |       |             | <b>Source: ISG2312-01</b> |           |             |     |           |                 |
| Antimony  | 20.1   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 40        | 75-125      | 25  | 20        | M2              |
| Arsenic   | 51.8   | 2.0             | 0.81 | mg/kg | 50.0        | 9.53                      | 84        | 75-125      | 0   | 20        |                 |
| Barium  | 92.5   | 1.0             | 0.80 | mg/kg | 50.0        | 51.9                      | 81        | 75-125      | 2   | 20        |                 |
| Beryllium   | 45.1   | 0.50            | 0.20 | mg/kg | 50.0        | 0.376                     | 89        | 75-125      | 1   | 20        |                 |
| Cadmium   | 42.8   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 86        | 75-125      | 1   | 20        |                 |
| Chromium  | 62.8   | 1.0             | 0.30 | mg/kg | 50.0        | 20.4                      | 85        | 75-125      | 1   | 20        |                 |
| Cobalt  | 48.7   | 1.0             | 0.30 | mg/kg | 50.0        | 6.86                      | 84        | 75-125      | 1   | 20        |                 |
| Copper  | 62.6   | 2.0             | 0.38 | mg/kg | 50.0        | 16.5                      | 92        | 75-125      | 2   | 20        |                 |
| Lead  | 49.3   | 2.0             | 0.40 | mg/kg | 50.0        | 6.50                      | 86        | 75-125      | 1   | 20        |                 |
| Molybdenum  | 40.7   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 81        | 75-125      | 1   | 20        |                 |
| Nickel  | 59.1   | 2.0             | 0.20 | mg/kg | 50.0        | 16.7                      | 85        | 75-125      | 1   | 20        |                 |
| Selenium  | 39.8   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 80        | 75-125      | 0   | 20        |                 |
| Silver  | 22.4   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 90        | 75-125      | 2   | 20        |                 |
| Thallium  | 41.8   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 84        | 75-125      | 1   | 20        |                 |
| Vanadium  | 76.8   | 1.0             | 0.30 | mg/kg | 50.0        | 31.8                      | 90        | 75-125      | 2   | 20        |                 |
| Zinc  | 79.4   | 5.0             | 0.75 | mg/kg | 50.0        | 39.2                      | 81        | 75-125      | 1   | 20        |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## METHOD BLANK/QC DATA

### STLC METALS

| Analyte   | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H10108 Extracted: 08/10/09</b>                   |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 08/10/2009 (9H10108-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Chromium  | ND     | 0.10            | 0.040 | mg/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 08/10/2009 (9H10108-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Chromium  | 21.0   | 0.10            | 0.040 | mg/l  | 20.0        |                           | 105  | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 08/10/2009 (9H10108-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISG2402-01</b> |      |             |     |           |                 |
| Chromium  | 29.3   | 0.10            | 0.040 | mg/l  | 20.0        | 8.48                      | 104  | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/10/2009 (9H10108-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISG2402-01</b> |      |             |     |           |                 |
| Chromium  | 29.1   | 0.10            | 0.040 | mg/l  | 20.0        | 8.48                      | 103  | 75-125      | 1   | 20        |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

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

Project ID: ISRA HV Waste Characterization  
 1891614  
 Report Number: ISG2313

Sampled: 07/29/09  
 Received: 07/29/09

## METHOD BLANK/QC DATA

### SW846 7471A

| Analyte  | Result | Reporting Limit | MDL    | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9215349 Extracted: 08/04/09</b>                    |        |                 |        |       |             |                           |      |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (D9G310179001D)</b> |        |                 |        |       |             | <b>Source: ISG2313-01</b> |      |             |     |           |                 |
| Mercury  | 0.41   | 0.033           | 0.0055 | mg/kg | 0.417       | 0.025                     | 93   | 87-111      | 3   | 20        |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (D9G310179001S)</b>     |        |                 |        |       |             | <b>Source: ISG2313-01</b> |      |             |     |           |                 |
| Mercury  | 0.398  | 0.033           | 0.0055 | mg/kg | 0.417       | 0.025                     | 90   | 87-111      | 3   | 20        |                 |
| <b>Blank Analyzed: 08/04/2009 (D9H030000349B)</b>            |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                           |      | -           |     |           |                 |
| <b>LCS Analyzed: 08/04/2009 (D9H030000349C)</b>              |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | 0.416  | 0.033           | 0.0055 | mg/kg | 0.417       |                           | 100  | 87-111      |     |           |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## 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.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISG2313 <Page 26 of 27>**

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

Project ID: ISRA HV Waste Characterization  
1891614  
Report Number: ISG2313

Sampled: 07/29/09  
Received: 07/29/09

## Certification Summary

### TestAmerica Irvine

| Method     | Matrix | Nelac | California |
|------------|--------|-------|------------|
| 6010B-STLC | Soil   | X     | X          |
| EPA 6010B  | Soil   | X     | X          |
| STLC-Met   | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: SW846 7471A

Samples: ISG2313-01, ISG2313-02, ISG2313-03, ISG2313-04, ISG2313-05, ISG2313-06, ISG2313-07,  
ISG2313-08, ISG2313-09, ISG2313-10, ISG2313-11, ISG2313-12, ISG2313-13, ISG2313-14,  
ISG2313-15

### TestAmerica Irvine

Joseph Doak  
Project Manager



**Chain of Custody Record**

TestAmerica Laboratories, Inc.

**IRVINE**  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

**Client Contact**  
The Boeing Company SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304  
Phone \_\_\_\_\_  
FAX \_\_\_\_\_

**Project Manager:** Tom Venable  
**Tel/Fax:** 818-466-8779 / 818-466-4873

**Site:** Happy Valley  
**P O #:** 7KSSISRA

**Project Name:** ISRA Soil Waste Characterization

**Analysis Turnaround Time**  
Calendar (C) or Work Days (W) W

TAT if different from Below  
 1 week  
 2 weeks  
 1 week  
 2 days  
 1 day

**Project Manager:** Tom Venable  
**Date:** 7-29-09  
**Carrier:** lab pick-up

**Site Contact:** Shelby Valenzuela  
**Lab Contact:** Joe Doak  
CAM 17 Metals (6000 1700)

**Job No.:** 1891614  
**COC No.:** 1 of 2 COCs

**Sample Specific Notes:**

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Filtered Sample | Company      | Date/Time     |
|-----------------------|-------------|-------------|-------------|--------|------------|-----------------|--------------|---------------|
| ISWC00775001          | 7-29-09     | 09:55       | slieve      | Soil   | 1          | X               | Test America | 7-29-09 14:15 |
| ISWC00785001          | 7-29-09     | 10:19       | ↓           | ↓      | 1          | X               | Test America | 7-29-09 14:15 |
| ISWC00795001          | 7-29-09     | 10:31       | ↓           | ↓      | 1          | X               | Test America | 7-29-09 14:15 |
| ISWC00805001          | ↓           | 10:59       | ↓           | ↓      | 1          | X               | Test America | 7-29-09 14:15 |
| ISWC00815001          | ↓           | 11:10       | ↓           | ↓      | 1          | X               | Test America | 7-29-09 14:15 |

**Preservation Used**  
 1= Ice  
 2= HCl  
 3= H2SO4  
 4= HNO3  
 5= NaOH  
 6= Other

**Possible Hazard Identification**  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown

**Special Instructions/QC Requirements & Comments:** Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds  
CAM 17 metals → 5 day TAT

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  
 Disposal By Lab  
 Archive For 6 Months

**Relinquished by:** Margaret Melwan Benita  
**Relinquished by:** [Signature]  
**Relinquished by:** [Signature]

**Received by:** [Signature]  
**Received by:** [Signature]  
**Received by:** [Signature]

**Company:** MWH  
**Company:** Test America  
**Company:** Test America

**Date/Time:** 7-29-09 13:41  
**Date/Time:** 7-29-09 17:15  
**Date/Time:** 7-29-09 17:15

**Chain of Custody Record**

TestAmerica Laboratories, Inc.

COC No: **2** of **2** COCs

Date: **7-29-09**  
Carrier: **LAB PICK-UP**

Site Contact: **Shelby Valenzuela**  
Lab Contact: **Joe Doak**

Project Manager: **Tom Venable**  
Tel/Fax: **818-466-8779 / 818-466-4873**

Client Contact  
The Boeing Company SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304

Job No. **1891614**

Analysis Turnaround Time  
Calendar (C) or Work Days (W) **W**

TAT if different from Below  
 **SEE BELOW**  
 2 weeks  
 1 week  
 2 days  
 1 day

Project Name: **ISRA - HV Waste Characterization**  
Site: **Happy Valley**  
P O # **7KSSISRA**

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Sample Specific Notes: |
|-----------------------|-------------|-------------|-------------|--------|------------|------------------------|
| 15WC00865001          | 7-29-09     | 9:39        | SLUDGE      | SOIL   | 1          |                        |
| 15WC00875001          |             | 9:39        |             |        |            |                        |
| 15WC00885001          |             | 9:53        |             |        |            |                        |
| 15WC00895001          |             | 9:49        |             |        |            |                        |
| 15WC00845001          |             | 10:31       |             |        |            |                        |
| 15WC00855001          |             | 10:41       |             |        |            |                        |
| 15WC00905001          |             | 11:05       |             |        |            |                        |
| 15WC00915001          |             | 11:16       |             |        |            |                        |
| 15WC00925001          |             | 11:28       |             |        |            |                        |
| 15WC00935001          |             | 11:31       |             |        |            |                        |

Preservation Used:  Ice;  2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  
 Disposal By Lab  
 Archive For **6** Months

|                                     |                              |                                 |                                 |                              |                                 |
|-------------------------------------|------------------------------|---------------------------------|---------------------------------|------------------------------|---------------------------------|
| Relinquished by: <i>[Signature]</i> | Company: <b>MWH</b>          | Date/Time: <b>7/29/09 13:41</b> | Received by: <i>[Signature]</i> | Company: <b>Test America</b> | Date/Time: <b>7-29-09 14:15</b> |
| Relinquished by: <i>[Signature]</i> | Company: <b>Test America</b> | Date/Time: <b>7-29-09 17:51</b> | Received by: <i>[Signature]</i> | Company: <b>TAI</b>          | Date/Time: <b>7/29/09 17:15</b> |
| Relinquished by:                    | Company:                     | Date/Time:                      | Received by:                    | Company:                     | Date/Time:                      |

CAM17 METALS → 5 DAY TAT

3.9'

028



**ADDITIONAL ANALYSIS REQUEST FORM**

Today's Date: 8-6-9 Del Mar Analytical Project Manager: J Doat

Request via:  telephone  chain of custody form  fax transmission  E-mail  other

Client: The Boeing Co Contact: Tom Venable

Project: ISRA HV waste Char.

Date Sampled: 7-29-9 Date Received: 7-29-9

Status:  in progress  completed  received today  received yesterday  on hold  other

| SAMPLE NUMBER      | SAMPLE DESCRIPTION  | ANALYSIS REQUESTED | SPECIAL REQUIREMENTS |
|--------------------|---------------------|--------------------|----------------------|
| <u>ESG 2313-08</u> | <u>ISWC00885001</u> |                    | <u>STLC Chromium</u> |

On Same w/order

TURNAROUND STATUS:  Same Day  24hr  48hr  3days  
 5days  Standard  No Rush Charge

### Chain of Custody Record

TestAmerica Laboratories, Inc.

|   |  |   |  |  |  |   |  |
|---|--|---|--|--|--|---|--|
| Client Contact  |  | Project Manager: Tom Venable  |  | Site Contact: Shelby Valenzuela        |  | Date: 7-29-09   |  |
| The Boeing Company SSFL   |  | Tel/Fax: 818-466-8779 / 818-466-4873  |  | Lab Contact: Joe Doak                  |  | COC No: 1 of 2 COCs   |  |
| 5800 Woolsey Canyon Road  |  | Analysis Turnaround Time  |  | Carrier: lab pick-up                   |  | Job No: 1891614   |  |
| Canoga Park, CA 91304   |  | Calendar (C) or Work Days (W) <u>W</u>  |  | CAM 17 Metals (6000 1700)              |  | SDG No.   |  |
| Phone   |  | TAT if different from Below   |  | Filtered Sample                        |  | Sample Specific Notes:  |  |
| FAX   |  | <input checked="" type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | see below                              |  | MS  |  |
| Project Name: ISRA Soil Waste Characterization  |  | Sample Date   |  | Sample Time                            |  | 7/29/09   |  |
| Site: Happy Valley  |  | Sample Type   |  | Matrix                                 |  | Soil  |  |
| P O # 7KSSISRA  |  | # of Cont.  |  | 1                                      |  | 7/29/09   |  |
| ISWC00775001  |  | 7-29-09 09:55   |  | Soil                                   |  | 6:50  |  |
| ISWC00785001  |  | 7-29-09 10:19   |  | ↓                                      |  |   |  |
| ISWC00795001  |  | 7-29-09 10:31   |  | ↓                                      |  |   |  |
| ISWC00805001  |  | ↓ 10:59   |  | ↓                                      |  |   |  |
| ISWC00815001  |  | ↓ 11:10   |  | ↓                                      |  |   |  |
| <p>members</p> <p>7/29/09</p>   |  |   |  |  |  |   |  |
| Preservation Used 1= Ice 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other   |  | Poison B <input type="checkbox"/>   |  | Unknown <input type="checkbox"/>       |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)                                   |  |
| Possible Hazard Identification  |  | Flammable <input type="checkbox"/>  |  | Skin Irritant <input type="checkbox"/> |  | <input type="checkbox"/> Return To Client<br><input checked="" type="checkbox"/> Disposal By Lab Archive For 6 Months |  |
| Special Instructions/QC Requirements & Comments: Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds |  | CAM 17 metals → 5 day TAT   |  | 3.9' C                                 |  |   |  |
| Relinquished by: Margaret M. Juan Benita  |  | Date/Time: 7-29-09 13:41  |  | Company: MWH                           |  | Date/Time: 7-29-09 14:15  |  |
| Relinquished by: [Signature]  |  | Date/Time: 7-29-09 17:15  |  | Company: Test America                  |  | Date/Time: 7-29-09 17:15  |  |
| Relinquished by: [Signature]  |  | Date/Time:  |  | Company: TAA                           |  | Date/Time:  |  |

Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614

phone 949.261.1022 fax 949.260.3299

### Chain of Custody Record



TestAmerica Laboratories, Inc.

#### Client Contact

Project Manager: Tom Venable

Tel/Fax: 818-466-8779 / 818-466-4873

#### Analysis Turnaround Time

Calendar (C) or Work Days (W) **W**

TAT if different from Below

- SEE BELOW**
- 1 week
- 2 days
- 1 day

#### Site Contact: Shelby Valenzuela

Lab Contact: Joe Doak

Date: **7-29-09**

Carrier: **LAB PICK-UP**

COC No:

**2** of **2** COCs

Job No.

**1891614**

SDG No.

Sample Specific Notes:

#### Sample Identification

Sample Date

Sample Time

Sample Type

Matrix

# of Cont.

Filtered Sample

CAM 17 Metals

**1891614**

**9:39**

**9:39**

**9:53**

**9:49**

**10:31**

**10:41**

**11:05**

**11:16**

**11:28**

**11:31**

**7:20:09**

**CE**

**SOIL**

**1**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

**X**

Preservation Used: 1= Ice; 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

#### Possible Hazard Identification

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds

**CAM17 METALS → 5 DAY TAT**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For **6** Months

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Relinquished by: *Shelby Valenzuela*

Relinquished by: *Tom Venable*

Date/Time: **7/29/09 13:41**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 17:51**

Date/Time: **7-29-09 14:15**

Date/Time: **7-29-09 14:15**

Company: **MWH**

Company: **Test America**

Company: **Test America**

Company: **Test America**

Company: **Test America**

Company: **Test America**

Company: **Test America**

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Company: **Test America**

**0.58**

## ANALYTICAL REPORT

Avocet / Boeing

Lot D9G310179

Project ISG2313

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.

*DiLea Griego*  
For DiLea Griego  
Project Manager

August 5, 2009

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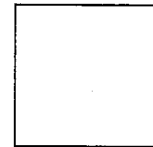
## Standard Deliverables

### Report Contents

### Total Number of Pages

#### **Standard Deliverables**

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for fifteen samples received at the TestAmerica Laboratory in Denver on July 31, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

## Quality Control Summary for Lot D9G310179

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 2.7°C.

### Total Metals- Method 7471A

No anomalies were observed.



## EXECUTIVE SUMMARY - Detection Highlights

D9G310179

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2313-01 07/29/09 09:55 001 |               |                            |              |                              |
| Mercury                       | 0.025 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-03 07/29/09 10:31 003 |               |                            |              |                              |
| Mercury                       | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-04 07/29/09 10:59 004 |               |                            |              |                              |
| Mercury                       | 0.018 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-05 07/29/09 11:10 005 |               |                            |              |                              |
| Mercury                       | 0.0083 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-06 07/29/09 09:39 006 |               |                            |              |                              |
| Mercury                       | 0.0059 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-08 07/29/09 09:53 008 |               |                            |              |                              |
| Mercury                       | 0.37          | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-10 07/29/09 10:31 010 |               |                            |              |                              |
| Mercury                       | 0.017 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-11 07/29/09 10:41 011 |               |                            |              |                              |
| Mercury                       | 0.0066 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-12 07/29/09 11:05 012 |               |                            |              |                              |
| Mercury                       | 0.0094 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-13 07/29/09 11:16 013 |               |                            |              |                              |
| Mercury                       | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2313-14 07/29/09 11:28 014 |               |                            |              |                              |
| Mercury                       | 0.013 J       | 0.033                      | mg/kg        | SW846 7471A                  |

(Continued on next page)

# EXECUTIVE SUMMARY - Detection Highlights

D9G310179

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2313-15 07/29/09 11:31 015 |               |                            |              |                              |
| Mercury                       | 0.021 J       | 0.033                      | mg/kg        | SW846 7471A                  |

# METHODS SUMMARY

D9G310179

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# METHOD / ANALYST SUMMARY

D9G310179

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>      | <u>ANALYST<br/>ID</u> |
|------------------------------|---------------------|-----------------------|
| SW846 7471A                  | Christopher Gridale | 9582                  |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9G310179

| WO #  | SAMPLE# | CLIENT SAMPLE ID | SAMPLED DATE | SAMP TIME |
|-------|---------|------------------|--------------|-----------|
| LHCVF | 001     | ISG2313-01       | 07/29/09     | 09:55     |
| LHCVM | 002     | ISG2313-02       | 07/29/09     | 10:19     |
| LHCVN | 003     | ISG2313-03       | 07/29/09     | 10:31     |
| LHCVQ | 004     | ISG2313-04       | 07/29/09     | 10:59     |
| LHCVR | 005     | ISG2313-05       | 07/29/09     | 11:10     |
| LHCVV | 006     | ISG2313-06       | 07/29/09     | 09:39     |
| LHCVX | 007     | ISG2313-07       | 07/29/09     | 09:39     |
| LHCV0 | 008     | ISG2313-08       | 07/29/09     | 09:53     |
| LHCV2 | 009     | ISG2313-09       | 07/29/09     | 09:49     |
| LHCV4 | 010     | ISG2313-10       | 07/29/09     | 10:31     |
| LHCV6 | 011     | ISG2313-11       | 07/29/09     | 10:41     |
| LHCV8 | 012     | ISG2313-12       | 07/29/09     | 11:05     |
| LHCV9 | 013     | ISG2313-13       | 07/29/09     | 11:16     |
| LHCWD | 014     | ISG2313-14       | 07/29/09     | 11:28     |
| LHCWE | 015     | ISG2313-15       | 07/29/09     | 11:31     |

## NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ISG2313-01

TOTAL Metals

Lot-Sample #...: D9G310179-001

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:55 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.025 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCVF1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 12:55 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-02

TOTAL Metals

Lot-Sample #....: D9G310179-002

Matrix.....: SOLID

Date Sampled....: 07/29/09 10:19 Date Received...: 07/31/09

| <u>PARAMETER</u>          | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|---------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                           |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #....: 9215349 |               |                    |              |                         |                      |                |
| Mercury                   | ND            | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCVM1AA       |
|                           |               | Dilution Factor: 1 |              | Analysis Time...: 13:02 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2313-03

TOTAL Metals

Lot-Sample #...: D9G310179-003

Matrix.....: SOLID

Date Sampled...: 07/29/09 10:31 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.012 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCVN1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:04 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.



TestAmerica Irvine

Client Sample ID: ISG2313-04

TOTAL Metals

Lot-Sample #....: D9G310179-004

Matrix.....: SOLID

Date Sampled....: 07/29/09 10:59 Date Received...: 07/31/09

| <u>PARAMETER</u>          | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|---------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #....: 9215349 |               |                            |              |                         |                                       |                         |
| Mercury                   | 0.018 J       | 0.033                      | mg/kg        | SW846 7471A             | 08/04/09                              | LHCVQ1AA                |
|                           |               | Dilution Factor: 1         |              | Analysis Time...: 13:07 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-05

TOTAL Metals

Lot-Sample #...: D9G310179-005

Matrix.....: SOLID

Date Sampled...: 07/29/09 11:10 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0083 J      | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCVR1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:09 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-06

TOTAL Metals

Lot-Sample #...: D9G310179-006

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:39 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9215349 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.0059 J      | 0.033                      | mg/kg        | SW846 7471A             | 08/04/09                              | LHCVV1AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 13:11 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-07

TOTAL Metals

Lot-Sample #...: D9G310179-007

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:39 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9215349 |               |                                  |              |                         |   |                               |
| Mercury                  | ND            | 0.033                            | mg/kg        | SW846 7471A             | 08/04/09                                    | LHCVX1AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 13:14 | MDL.....: 0.0055                            |                               |

TestAmerica Irvine

Client Sample ID: ISG2313-08

TOTAL Metals

Lot-Sample #....: D9G310179-008

Matrix.....: SOLID

Date Sampled....: 07/29/09 09:53 Date Received...: 07/31/09

| <u>PARAMETER</u>          | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|---------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                           |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #....: 9215349 |               |                    |              |                         |                      |                |
| Mercury                   | 0.37          | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCV01AA       |
|                           |               | Dilution Factor: 1 |              | Analysis Time...: 13:23 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISG2313-09

TOTAL Metals

Lot-Sample #...: D9G310179-009

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:49 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9215349 |               |                                  |              |                         |   |                               |
| Mercury                  | ND            | 0.033                            | mg/kg        | SW846 7471A             | 08/04/09                                    | LHCV21AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 13:25 | MDL.....: 0.0055                            |                               |

TestAmerica Irvine

Client Sample ID: ISG2313-10

TOTAL Metals

Lot-Sample #...: D9G310179-010

Matrix.....: SOLID

Date Sampled...: 07/29/09 10:31 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.017 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCV41AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:27 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-11

TOTAL Metals

Lot-Sample #...: D9G310179-011

Matrix.....: SOLID

Date Sampled...: 07/29/09 10:41 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9215349 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.0066 J      | 0.033                      | mg/kg        | SW846 7471A             | 08/04/09                              | LHCV61AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 13:30 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.



TestAmerica Irvine

Client Sample ID: ISG2313-12

TOTAL Metals

Lot-Sample #...: D9G310179-012

Matrix.....: SOLID

Date Sampled...: 07/29/09 11:05 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0094 J      | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCV81AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:32 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-13

TOTAL Metals

Lot-Sample #...: D9G310179-013

Matrix.....: SOLID

Date Sampled...: 07/29/09 11:16 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.012 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCV91AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:34 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-14

TOTAL Metals

Lot-Sample #...: D9G310179-014

Matrix.....: SOLID

Date Sampled...: 07/29/09 11:28 Date Received...: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.013 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCWD1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:41 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2313-15

TOTAL Metals

Lot-Sample #...: D9G310179-015

Matrix.....: SOLID

Date Sampled...: 07/29/09 11:31 Date Received..: 07/31/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9215349 |               |                    |              |                         |                      |                |
| Mercury                  | 0.021 J       | 0.033              | mg/kg        | SW846 7471A             | 08/04/09             | LHCWE1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 13:44 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

# QC DATA ASSOCIATION SUMMARY

D9G310179

## Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 002            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 003            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 004            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 005            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 006            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 007            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 008            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 009            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 010            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 011            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 012            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 013            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 014            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 015            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9G310179

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|---------------|----------------------------------|--------------|---------------|---|-------------------------------|
| MB Lot-Sample #: | D9H030000-349 | Prep Batch #...                  | 9215349      |               |   |                               |
| Mercury          | ND            | 0.033                            | mg/kg        | SW846 7471A   | 08/04/09                                    | LHF071AA                      |
|                  |               | Dilution Factor:                 | 1            |               |   |                               |
|                  |               | Analysis Time..:                 | 12:46        |               |   |                               |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9G310179

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u>     | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|-------------------|---------------------------------------|---------------------|
| LCS Lot-Sample#: | D9H030000-349               | Prep Batch #...:           | 9215349           |                                       |                     |
| Mercury          | 100                         | (87 - 111)                 | SW846 7471A       | 08/04/09                              | LHF071AC            |
|                  |                             | Dilution Factor: 1         | Analysis Time...: | 12:53                                 |                     |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9G310179

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCNT</u><br><u>RECVRY</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|

LCS Lot-Sample#: D9H030000-349 Prep Batch #...: 9215349

|         |       |       |       |     |             |          |          |
|---------|-------|-------|-------|-----|-------------|----------|----------|
| Mercury | 0.417 | 0.416 | mg/kg | 100 | SW846 7471A | 08/04/09 | LHF071AC |
|---------|-------|-------|-------|-----|-------------|----------|----------|

Dilution Factor: 1 Analysis Time...: 12:53

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.



MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9G310179

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:55 Date Received...: 07/31/09

| <u>PARAMETER</u>  | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> | <u>RPD</u><br><u>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|---|-----------------------------------|----------------------------------|-----------------------------|---------------|---|-------------------------------|
| <b>MS Lot-Sample #:</b> D9G310179-001 <b>Prep Batch #...:</b> 9215349 |                                   |                                  |                             |               |   |                               |
| Mercury   | 90                                | (87 - 111)                       |                             | SW846 7471A   | 08/04/09                                    | LHCVF1AC                      |
|   | 93                                | (87 - 111)                       | 2.9 (0-20)                  | SW846 7471A   | 08/04/09                                    | LHCVF1AD                      |
|   |                                   |                                  | Dilution Factor: 1          |               |   |                               |
|   |                                   |                                  | Analysis Time...: 13:50     |               |   |                               |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9G310179

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:55 Date Received...: 07/31/09

| <u>PARAMETER</u>   | <u>AMOUNT</u> | <u>SAMPLE SPIKE AMT</u> | <u>MEASRD AMOUNT</u> | <u>UNITS</u> | <u>PERCNT RECVRY</u> | <u>RPD</u> | <u>METHOD</u>           | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|---------------|-------------------------|----------------------|--------------|----------------------|------------|-------------------------|-----------------------------------|---------------------|
| <b>MS Lot-Sample #: D9G310179-001 Prep Batch #...: 9215349</b> |               |                         |                      |              |                      |            |                         |                                   |                     |
| Mercury  |               |                         |                      |              |                      |            |                         |                                   |                     |
|  | 0.025         | 0.417                   | 0.398                | mg/kg        | 90                   |            | SW846 7471A             | 08/04/09                          | LHCVF1AC            |
|  | 0.025         | 0.417                   | 0.410                | mg/kg        | 93                   | 2.9        | SW846 7471A             | 08/04/09                          | LHCVF1AD            |
|  |               |                         |                      |              |                      |            | Dilution Factor: 1      |                                   |                     |
|  |               |                         |                      |              |                      |            | Analysis Time...: 13:50 |                                   |                     |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

*TestAmerica Denver*  
**Sample Receiving Checklist**

Lot #: D9G310179 Date/Time Received: 7/31/09 0900

Company Name & Sampling Site: TA IRVINE - BOEING

PM to Complete This Section: Yes  No  Residual chlorine check required:  Quarantined: Yes  No

Quote #: 72743

Special Instructions:

*- please log 7471A*  
*- Analytical / Report 8/5/09*

Time Zone:

• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

**Unpacking Checks:**

Cooler #(s): 1

Temperatures (°C): 2.7

N/A Yes No

*Initials*

- 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.
- 2. Coolers scanned for radiation. Is the reading  $\leq$  to background levels? Yes:  No:
- 3. Chain of custody present? If no, document on CUR.
- 4. Bottles broken and/or are leaking? If yes, document on CUR.
- 5. Multiphasic samples obvious? If yes, document on CUR.
- 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.
- 7. pH of all samples checked and meet requirements? If no, document on CUR.
- 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.
- 10. Were VOA samples without headspace? If no, document on CUR.
- 11. Were VOA vials preserved? Preservative  HCl  4±2°C  Sodium Thiosulfate  Ascorbic Acid
- 12. Did samples require preservation with sodium thiosulfate?
- 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.
- 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.
- 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.
- 17. Are analyses with short holding times requested?
- 18. Was a quick Turn Around (TAT) requested?

TestAmerica Denver  
Sample Receiving Checklist

Lot # D9G310179

**Login Checks:**

Initials

N/A Yes No

AB

- 19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) document on CUR, and contact PM before proceeding. If no,
- 20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- 22. Were special log in instructions read and followed?
- 23. Were AFCEE metals logged for refrigerated storage?
- 24. Were tests logged checked against the COC? Which samples were confirmed? 1
- 25. Was a Rush form completed for quick TAT?
- 26. Was a Short Hold form completed for any short holds?
- 27. Were special archiving instructions indicated in the General Comments? If so, what were they?

**Labeling and Storage Checks:**

Initials

AD

- 28. Was the subcontract COC signed and sent with samples to bottle prep?
- 29. Were sample labels double-checked by a second person?
- 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- 31. Did the sample ID, Date, and Time from label match what was logged?
- 32. Were stickers for special archiving instructions affixed to each box? See #27
- 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

0.7  
7:31.09  
12

**SUBCONTRACT ORDER**

**TestAmerica Irvine**

**ISG2313**

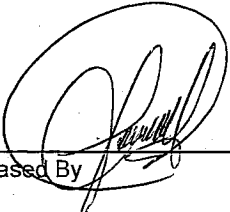
**SENDING LABORATORY:**

TestAmerica Irvine  
17461 Derian Avenue. Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: The Boeing Company-SSFL

**RECEIVING LABORATORY:**

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone : (303) 736-0100  
Fax: (303) 431-7171  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C    Ice: Y / N

| Analysis                             | Units       | Due      | Expires        | Interlab Price | Surch | Comments                       |
|--------------------------------------|-------------|----------|----------------|----------------|-------|--------------------------------|
| <b>Sample ID: ISG2313-01</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 09:55</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 09:55 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |
| <b>Sample ID: ISG2313-02</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 10:19</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 10:19 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |
| <b>Sample ID: ISG2313-03</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 10:31</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 10:31 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |
| <b>Sample ID: ISG2313-04</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 10:59</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 10:59 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |
| <b>Sample ID: ISG2313-05</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 11:10</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 11:10 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |
| <b>Sample ID: ISG2313-06</b>         | <b>Soil</b> |          |                |                |       | <b>Sampled: 07/29/09 09:39</b> |
| Mercury-7470/7471-OUT                | mg/kg       | 08/05/09 | 08/26/09 09:39 | \$35.00        | 25%   | J Flags/Boeing/sub to denver   |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |                |       |                                |



Released By \_\_\_\_\_

Released By \_\_\_\_\_

TestAmerica

7/30/09

Date/Time

Date/Time

Fed-EX 7/30/09 17:00

Received By \_\_\_\_\_ Date/Time

Received By \_\_\_\_\_ Date/Time

## SUBCONTRACT ORDER

TestAmerica Irvine

ISG2313

| Analysis                     | Units | Due      | Expires        | Interlab Price          | Surch | Comments                     |
|------------------------------|-------|----------|----------------|-------------------------|-------|------------------------------|
| <b>Sample ID: ISG2313-07</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 09:39 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 09:39 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-08</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 09:53 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 09:53 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-09</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 09:49 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 09:49 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-10</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 10:31 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 10:31 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-11</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 10:41 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 10:41 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-12</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 11:05 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 11:05 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-13</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 11:16 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 11:16 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |
| <b>Sample ID: ISG2313-14</b> |       |          |                |                         |       |                              |
|                              | Soil  |          |                | Sampled: 07/29/09 11:28 |       |                              |
| Mercury-7470/7471-OUT        | mg/kg | 08/05/09 | 08/26/09 11:28 | \$35.00                 | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |       |          |                |                         |       |                              |
| 2 oz Jar (B)                 |       |          |                |                         |       |                              |

SUBCONTRACT ORDER

TestAmerica Irvine

ISG2313

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| Analysis                     | Units       | Due      | Expires                        | Interlab Price | Surch | Comments                     |
|------------------------------|-------------|----------|--------------------------------|----------------|-------|------------------------------|
| <b>Sample ID: ISG2313-15</b> |             |          |                                |                |       |                              |
|                              | <b>Soil</b> |          |                                |                |       |                              |
|                              |             |          | <b>Sampled: 07/29/09 11:31</b> |                |       |                              |
| Mercury-7470/7471-OUT        | mg/kg       | 08/05/09 | 08/26/09 11:31                 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i>  |             |          |                                |                |       |                              |
| 2 oz Jar (B)                 |             |          |                                |                |       |                              |

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## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
7KSSISRA

Sampled: 07/30/09  
Received: 07/30/09  
Issued: 08/06/09 17:24

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain of Custody, 1 page, is included and is an integral part of this report.*

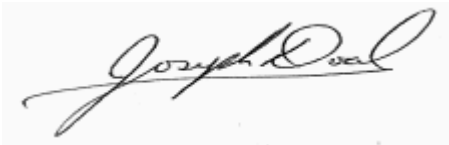
*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

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

| LABORATORY ID | CLIENT ID    | MATRIX |
|---------------|--------------|--------|
| ISG2471-01    | ISWC0082S001 | Soil   |
| ISG2471-02    | ISWC0083S001 | Soil   |

Reviewed By:



TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2471-01 (ISWC0082S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H03042 | 0.88      | 10              | ND            | 1               | 08/03/09       | 08/04/09      |                 |
| Arsenic  | EPA 6010B | 9H03042 | 0.81      | 2.0             | <b>3.7</b>    | 1               | 08/03/09       | 08/04/09      |                 |
| Barium   | EPA 6010B | 9H03042 | 0.80      | 1.0             | <b>81</b>     | 1               | 08/03/09       | 08/04/09      |                 |
| Beryllium  | EPA 6010B | 9H03042 | 0.20      | 0.50            | <b>0.55</b>   | 1               | 08/03/09       | 08/04/09      |                 |
| Cadmium  | EPA 6010B | 9H03042 | 0.20      | 0.50            | ND            | 1               | 08/03/09       | 08/04/09      |                 |
| Chromium   | EPA 6010B | 9H03042 | 0.30      | 1.0             | <b>14</b>     | 1               | 08/03/09       | 08/04/09      |                 |
| Cobalt   | EPA 6010B | 9H03042 | 0.30      | 1.0             | <b>4.2</b>    | 1               | 08/03/09       | 08/04/09      |                 |
| Copper   | EPA 6010B | 9H03042 | 0.38      | 2.0             | <b>7.1</b>    | 1               | 08/03/09       | 08/04/09      |                 |
| Lead   | EPA 6010B | 9H03042 | 0.50      | 2.0             | <b>19</b>     | 1               | 08/03/09       | 08/04/09      |                 |
| Molybdenum   | EPA 6010B | 9H03042 | 0.20      | 2.0             | ND            | 1               | 08/03/09       | 08/04/09      |                 |
| Nickel   | EPA 6010B | 9H03042 | 0.20      | 2.0             | <b>9.7</b>    | 1               | 08/03/09       | 08/04/09      |                 |
| Selenium   | EPA 6010B | 9H03042 | 1.0       | 2.0             | <b>1.3</b>    | 1               | 08/03/09       | 08/04/09      | J               |
| Silver   | EPA 6010B | 9H03042 | 0.80      | 1.0             | ND            | 1               | 08/03/09       | 08/04/09      |                 |
| Thallium   | EPA 6010B | 9H03042 | 0.80      | 10              | ND            | 1               | 08/03/09       | 08/04/09      |                 |
| Vanadium   | EPA 6010B | 9H03042 | 0.30      | 1.0             | <b>24</b>     | 1               | 08/03/09       | 08/04/09      |                 |
| Zinc   | EPA 6010B | 9H03042 | 0.75      | 5.0             | <b>41</b>     | 1               | 08/03/09       | 08/04/09      |                 |

### Sample ID: ISG2471-02 (ISWC0083S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9H03042 | 0.88 | 10   | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Arsenic    | EPA 6010B | 9H03042 | 0.81 | 2.0  | <b>3.1</b>  | 1 | 08/03/09 | 08/04/09 |  |
| Barium     | EPA 6010B | 9H03042 | 0.80 | 1.0  | <b>84</b>   | 1 | 08/03/09 | 08/04/09 |  |
| Beryllium  | EPA 6010B | 9H03042 | 0.20 | 0.50 | <b>0.54</b> | 1 | 08/03/09 | 08/04/09 |  |
| Cadmium    | EPA 6010B | 9H03042 | 0.20 | 0.50 | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Chromium   | EPA 6010B | 9H03042 | 0.30 | 1.0  | <b>13</b>   | 1 | 08/03/09 | 08/04/09 |  |
| Cobalt     | EPA 6010B | 9H03042 | 0.30 | 1.0  | <b>4.3</b>  | 1 | 08/03/09 | 08/04/09 |  |
| Copper     | EPA 6010B | 9H03042 | 0.38 | 2.0  | <b>6.9</b>  | 1 | 08/03/09 | 08/04/09 |  |
| Lead       | EPA 6010B | 9H03042 | 0.50 | 2.0  | <b>17</b>   | 1 | 08/03/09 | 08/04/09 |  |
| Molybdenum | EPA 6010B | 9H03042 | 0.20 | 2.0  | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Nickel     | EPA 6010B | 9H03042 | 0.20 | 2.0  | <b>9.5</b>  | 1 | 08/03/09 | 08/04/09 |  |
| Selenium   | EPA 6010B | 9H03042 | 1.0  | 2.0  | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Silver     | EPA 6010B | 9H03042 | 0.80 | 1.0  | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Thallium   | EPA 6010B | 9H03042 | 0.80 | 10   | ND          | 1 | 08/03/09 | 08/04/09 |  |
| Vanadium   | EPA 6010B | 9H03042 | 0.30 | 1.0  | <b>23</b>   | 1 | 08/03/09 | 08/04/09 |  |
| Zinc       | EPA 6010B | 9H03042 | 0.75 | 5.0  | <b>39</b>   | 1 | 08/03/09 | 08/04/09 |  |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## SW846 7471A

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISG2471-01 (ISWC0082S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.012</b>  | 1               | 08/04/09       | 08/04/09      | J               |
| <b>Sample ID: ISG2471-02 (ISWC0083S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9215349 | 0.0055    | 0.033           | <b>0.011</b>  | 1               | 08/04/09       | 08/04/09      | J               |

TestAmerica Irvine

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Project Manager

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ISG2471 <Page 3 of 9>

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISG2471-01 (ISWC0082S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 3.7           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 81            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.55          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 14            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.2           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 7.1           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 19            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 9.7           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | 1.3           | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 24            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 41            | 250                           | 5000                           |                               |
| <b>ISG2471-02 (ISWC0083S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 3.1           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 84            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.54          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 13            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.3           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 6.9           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 17            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 9.5           | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 23            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 39            | 250                           | 5000                           |                               |

TestAmerica Irvine

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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|---------|---------|-----------------|
| <b>Batch: 9H03042 Extracted: 08/03/09</b>        |        |                 |      |       |             |               |           |         |         |                 |
| <b>Blank Analyzed: 08/03/2009 (9H03042-BLK1)</b> |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |         |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |         |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |         |         |                 |
| Lead   | ND     | 2.0             | 0.50 | mg/kg |             |               |           |         |         |                 |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Nickel   | 0.322  | 2.0             | 0.20 | mg/kg |             |               |           |         |         | J               |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |         |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Thallium   | ND     | 10              | 0.80 | mg/kg |             |               |           |         |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Zinc   | 0.876  | 5.0             | 0.75 | mg/kg |             |               |           |         |         | J               |
| <b>LCS Analyzed: 08/03/2009 (9H03042-BS1)</b>    |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | 44.4   | 10              | 0.88 | mg/kg | 50.0        |               | 89        |         | 80-120  |                 |
| Arsenic  | 44.6   | 2.0             | 0.81 | mg/kg | 50.0        |               | 89        |         | 80-120  |                 |
| Barium   | 47.6   | 1.0             | 0.80 | mg/kg | 50.0        |               | 95        |         | 80-120  |                 |
| Beryllium  | 47.0   | 0.50            | 0.20 | mg/kg | 50.0        |               | 94        |         | 80-120  |                 |
| Cadmium  | 45.3   | 0.50            | 0.20 | mg/kg | 50.0        |               | 91        |         | 80-120  |                 |
| Chromium   | 44.8   | 1.0             | 0.30 | mg/kg | 50.0        |               | 90        |         | 80-120  |                 |
| Cobalt   | 45.5   | 1.0             | 0.30 | mg/kg | 50.0        |               | 91        |         | 80-120  |                 |
| Copper   | 47.3   | 2.0             | 0.38 | mg/kg | 50.0        |               | 95        |         | 80-120  |                 |
| Lead   | 46.3   | 2.0             | 0.50 | mg/kg | 50.0        |               | 93        |         | 80-120  |                 |
| Molybdenum                                       | 42.9   | 2.0             | 0.20 | mg/kg | 50.0        |               | 86        |         | 80-120  |                 |
| Nickel   | 46.1   | 2.0             | 0.20 | mg/kg | 50.0        |               | 92        |         | 80-120  |                 |
| Selenium   | 41.5   | 2.0             | 1.0  | mg/kg | 50.0        |               | 83        |         | 80-120  |                 |
| Silver   | 23.3   | 1.0             | 0.80 | mg/kg | 25.0        |               | 93        |         | 80-120  |                 |
| Thallium   | 45.1   | 10              | 0.80 | mg/kg | 50.0        |               | 90        |         | 80-120  |                 |
| Vanadium   | 47.2   | 1.0             | 0.30 | mg/kg | 50.0        |               | 94        |         | 80-120  |                 |
| Zinc   | 44.5   | 5.0             | 0.75 | mg/kg | 50.0        |               | 89        |         | 80-120  |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H03042 Extracted: 08/03/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/03/2009 (9H03042-MS1)</b>      |        |                 |      |       |             | <b>Source: ISG2235-02</b> |           |             |     |           |                 |
| Antimony  | 18.9   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 38        | 75-125      |     |           | M2              |
| Arsenic   | 44.7   | 2.0             | 0.81 | mg/kg | 50.0        | 0.0641                    | 89        | 75-125      |     |           |                 |
| Barium  | 91.2   | 1.0             | 0.80 | mg/kg | 50.0        | 1.69                      | 179       | 75-125      |     |           | MI              |
| Beryllium   | 46.2   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 92        | 75-125      |     |           |                 |
| Cadmium   | 43.9   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 88        | 75-125      |     |           |                 |
| Chromium  | 54.8   | 1.0             | 0.30 | mg/kg | 50.0        | 0.404                     | 109       | 75-125      |     |           |                 |
| Cobalt  | 46.8   | 1.0             | 0.30 | mg/kg | 50.0        | 0.104                     | 93        | 75-125      |     |           |                 |
| Copper  | 52.8   | 2.0             | 0.38 | mg/kg | 50.0        | 0.224                     | 105       | 75-125      |     |           |                 |
| Lead  | 49.2   | 2.0             | 0.50 | mg/kg | 50.0        | 0.140                     | 98        | 75-125      |     |           |                 |
| Molybdenum  | 41.1   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 82        | 75-125      |     |           |                 |
| Nickel  | 48.9   | 2.0             | 0.20 | mg/kg | 50.0        | 0.184                     | 98        | 75-125      |     |           |                 |
| Selenium  | 41.1   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 82        | 75-125      |     |           |                 |
| Silver  | 22.8   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 91        | 75-125      |     |           |                 |
| Thallium  | 43.2   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 86        | 75-125      |     |           |                 |
| Vanadium  | 66.3   | 1.0             | 0.30 | mg/kg | 50.0        | 0.728                     | 131       | 75-125      |     |           | MI              |
| Zinc  | 63.5   | 5.0             | 0.75 | mg/kg | 50.0        | 0.714                     | 126       | 75-125      |     |           | MI              |
| <b>Matrix Spike Dup Analyzed: 08/03/2009 (9H03042-MSD1)</b> |        |                 |      |       |             | <b>Source: ISG2235-02</b> |           |             |     |           |                 |
| Antimony  | 25.0   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 50        | 75-125      | 28  | 20        | M2, R-3         |
| Arsenic   | 45.7   | 2.0             | 0.81 | mg/kg | 50.0        | 0.0641                    | 91        | 75-125      | 2   | 20        |                 |
| Barium  | 88.3   | 1.0             | 0.80 | mg/kg | 50.0        | 1.69                      | 173       | 75-125      | 3   | 20        | MI              |
| Beryllium   | 47.7   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 95        | 75-125      | 3   | 20        |                 |
| Cadmium   | 45.4   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 91        | 75-125      | 3   | 20        |                 |
| Chromium  | 54.5   | 1.0             | 0.30 | mg/kg | 50.0        | 0.404                     | 108       | 75-125      | 1   | 20        |                 |
| Cobalt  | 48.1   | 1.0             | 0.30 | mg/kg | 50.0        | 0.104                     | 96        | 75-125      | 3   | 20        |                 |
| Copper  | 53.9   | 2.0             | 0.38 | mg/kg | 50.0        | 0.224                     | 107       | 75-125      | 2   | 20        |                 |
| Lead  | 50.2   | 2.0             | 0.50 | mg/kg | 50.0        | 0.140                     | 100       | 75-125      | 2   | 20        |                 |
| Molybdenum  | 42.7   | 2.0             | 0.20 | mg/kg | 50.0        | ND                        | 85        | 75-125      | 4   | 20        |                 |
| Nickel  | 49.8   | 2.0             | 0.20 | mg/kg | 50.0        | 0.184                     | 99        | 75-125      | 2   | 20        |                 |
| Selenium  | 42.8   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 86        | 75-125      | 4   | 20        |                 |
| Silver  | 24.0   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 96        | 75-125      | 5   | 20        |                 |
| Thallium  | 45.4   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 91        | 75-125      | 5   | 20        |                 |
| Vanadium  | 64.1   | 1.0             | 0.30 | mg/kg | 50.0        | 0.728                     | 127       | 75-125      | 3   | 20        | MI              |
| Zinc  | 61.0   | 5.0             | 0.75 | mg/kg | 50.0        | 0.714                     | 121       | 75-125      | 4   | 20        |                 |

TestAmerica Irvine

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Project Manager

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 Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
 7KSSISRA  
 Report Number: ISG2471

Sampled: 07/30/09  
 Received: 07/30/09

## METHOD BLANK/QC DATA

### SW846 7471A

| Analyte  | Result | Reporting Limit | MDL    | Units | Spike Level | Source Result               | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|-----------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9215349 Extracted: 08/04/09</b>                    |        |                 |        |       |             |                             |      |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/04/2009 (D9G310179001D)</b> |        |                 |        |       |             | <b>Source: D9G310179001</b> |      |             |     |           |                 |
| Mercury  | 0.41   | 0.033           | 0.0055 | mg/kg | 0.417       | 0.025                       | 93   | 87-111      | 3   | 20        |                 |
| <b>Matrix Spike Analyzed: 08/04/2009 (D9G310179001S)</b>     |        |                 |        |       |             | <b>Source: D9G310179001</b> |      |             |     |           |                 |
| Mercury  | 0.398  | 0.033           | 0.0055 | mg/kg | 0.417       | 0.025                       | 90   | 87-111      | 3   | 20        |                 |
| <b>Blank Analyzed: 08/04/2009 (D9H030000349B)</b>            |        |                 |        |       |             | <b>Source:</b>              |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                             |      | -           |     |           |                 |
| <b>LCS Analyzed: 08/04/2009 (D9H030000349C)</b>              |        |                 |        |       |             | <b>Source:</b>              |      |             |     |           |                 |
| Mercury  | 0.416  | 0.033           | 0.0055 | mg/kg | 0.417       |                             | 100  | 87-111      |     |           |                 |

TestAmerica Irvine

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7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## 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.
- M1** The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R-3** The RPD exceeded the acceptance limit 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

**TestAmerica Irvine**

Joseph Doak  
Project Manager

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**ISG2471 <Page 8 of 9>**

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISG2471

Sampled: 07/30/09  
Received: 07/30/09

## Certification Summary

### TestAmerica Irvine

| Method    | Matrix | Nelac | California |
|-----------|--------|-------|------------|
| EPA 6010B | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: SW846 7471A  
Samples: ISG2471-01, ISG2471-02

### TestAmerica Irvine

Joseph Doak  
Project Manager



**Chain of Custody Record**

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TestAmerica Laboratories, Inc.

| Client Contact                                 |             | Project Manager: Tom Venable         |             | Site Contact: Shelby Valenzuela |            | Date: 7-30-09          |  |
|--|-------------|--------------------------------------|-------------|---------------------------------|------------|------------------------|--|
| The Boeing Company SSFL                        |             | Tel/Fax: 818-466-8779 / 818-466-4873 |             | Lab Contact: Joe Doak           |            | Carrier: LAB PICK-UP   |  |
| 5800 Woolsey Canyon Road                       |             | Analysis Turnaround Time             |             | Calendar (C) or Work Days (W)   |            | COC No: 1 of 1 COCs    |  |
| Canoga Park, CA 91304                          |             | TAT if different from Below          |             | Calendar (C) or Work Days (W)   |            | Job No: 1891614        |  |
| Phone  |             | 1 week                               |             | Calendar (C) or Work Days (W)   |            | SDG No: FDC 2471       |  |
| FAX  |             | 2 weeks                              |             | Calendar (C) or Work Days (W)   |            | Sample Specific Notes: |  |
| Project Name: ISRA - HV Waste Characterization |             | 1 day                                |             | Calendar (C) or Work Days (W)   |            |                        |  |
| Site: Happy Valley                             |             | 2 days                               |             | Calendar (C) or Work Days (W)   |            |                        |  |
| P O # 7KSSISRA                                 |             | 1 day                                |             | Calendar (C) or Work Days (W)   |            |                        |  |
| Sample Identification                          | Sample Date | Sample Time                          | Sample Type | Matrix                          | # of Cont. |                        |  |
| ISNC0082 5001                                  | 7-30-09     | 10:14                                | SLEEVE      | SOIL                            | 1          |                        |  |
| ISNC0083 5001                                  | ↓           | 10:29                                | ↓           | ↓                               | ↓          |                        |  |
| 7-30-09<br>CAR                                 |             |                                      |             |                                 |            |                        |  |
| (Signature)                                    |             |                                      |             |                                 |            |                        |  |

|   |   |
|---|---|
| Preservation Used: <input checked="" type="checkbox"/> Ice; 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other  | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)  |
| Possible Hazard Identification  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 6 Months |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown |   |

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds

**CAM 17 METALS → 5 DAY TAT**

|                              |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|------------------------------|
| Relinquished by: (Signature) | Relinquished by: (Signature) | Relinquished by: (Signature) | Relinquished by: (Signature) |
| Company: Test America        | Company: Test America        | Company: TAI                 | Company: Test America        |
| Date/Time: 7/30/09 10:55     | Date/Time: 7/30/09 17:33     | Date/Time: 7/30/09 17:35     | Date/Time: 7/30/09 10:55     |

27°C

026

## ANALYTICAL REPORT

MWH – Pasadena/Boeing

Lot D9H010141

Project ISG2471

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.

*Dee Kettula*  
for DiLea Griego  
Project Manager

August 6, 2009

# Table of Contents

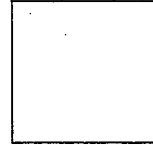
## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for fifteen samples received at the TestAmerica Laboratory in Denver on August 1, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

## Quality Control Summary for Lot D9H010141

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 0.8°C.

### Total Metals- Method 7471A

No anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D9H010141

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISG2471-01 07/30/09 10:14 001 |               |                            |              |                              |
| Mercury                       | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISG2471-02 07/30/09 10:29 002 |               |                            |              |                              |
| Mercury                       | 0.011 J       | 0.033                      | mg/kg        | SW846 7471A                  |

# METHODS SUMMARY

D9H010141

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# METHOD / ANALYST SUMMARY

D9H010141

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>       | <u>ANALYST<br/>ID</u> |
|------------------------------|----------------------|-----------------------|
| SW846 7471A                  | Christopher Grisdale | 9582                  |

**References:**

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9H010141

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| LHEMK       | 001            | ISG2471-01              | 07/30/09            | 10:14            |
| LHEML       | 002            | ISG2471-02              | 07/30/09            | 10:29            |

**NOTE (S) :**

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.



TestAmerica Irvine

Client Sample ID: ISG2471-01

TOTAL Metals

Lot-Sample #...: D9H010141-001

Matrix.....: SOLID

Date Sampled...: 07/30/09 10:14 Date Received...: 08/01/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9215349 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A             | 08/04/09                              | LHEMK1AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 13:46 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISG2471-02

TOTAL Metals

Lot-Sample #...: D9H010141-002

Matrix.....: SOLID

Date Sampled...: 07/30/09 10:29 Date Received...: 08/01/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9215349 |               |                                  |              |                         |   |                               |
| Mercury                  | 0.011 J       | 0.033                            | mg/kg        | SW846 7471A             | 08/04/09                                    | LHEML1AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 13:48 | MDL.....: 0.0055                            |                               |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

# QC DATA ASSOCIATION SUMMARY

D9H010141

Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |
| 002            | SOLID         | SW846 7471A                  |                          | 9215349                 | 9215215        |

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: D9H010141

Matrix.....: SOLID

| <u>PARAMETER</u>               | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>             | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------------|---------------|----------------------------|--------------|---------------------------|---------------------------------------|-------------------------|
| MB Lot-Sample #: D9H030000-349 |               |                            |              | Prep Batch #....: 9215349 |                                       |                         |
| Mercury                        | ND            | 0.033                      | mg/kg        | SW846 7471A               | 08/04/09                              | LHF071AA                |
|                                |               | Dilution Factor: 1         |              |                           |                                       |                         |
|                                |               | Analysis Time...: 12:46    |              |                           |                                       |                         |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H010141

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|

LCS Lot-Sample#: D9H030000-349 Prep Batch #...: 9215349

|         |     |            |             |          |          |
|---------|-----|------------|-------------|----------|----------|
| Mercury | 100 | (87 - 111) | SW846 7471A | 08/04/09 | LHF071AC |
|---------|-----|------------|-------------|----------|----------|

Dilution Factor: 1 Analysis Time...: 12:53

**NOTE(S) :**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D9H010141

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCNT</u><br><u>RECVRY</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|

LCS Lot-Sample#: D9H030000-349 Prep Batch #....: 9215349

|         |       |       |       |     |             |          |          |
|---------|-------|-------|-------|-----|-------------|----------|----------|
| Mercury | 0.417 | 0.416 | mg/kg | 100 | SW846 7471A | 08/04/09 | LHF071AC |
|---------|-------|-------|-------|-----|-------------|----------|----------|

Dilution Factor: 1 Analysis Time...: 12:53

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H010141

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:55 Date Received...: 07/31/09

| <u>PARAMETER</u>   | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>RPD</u>              | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|--|-------------------------|------------------------|-------------------------|-------------------|---------------|-----------------------------------|---------------------|
| <b>MS Lot-Sample #: D9G310179-001 Prep Batch #...: 9215349</b> |                         |                        |                         |                   |               |                                   |                     |
| Mercury  | 90                      | (87 - 111)             |                         |                   | SW846 7471A   | 08/04/09                          | LHCVF1AC            |
|  | 93                      | (87 - 111)             | 2.9                     | (0-20)            | SW846 7471A   | 08/04/09                          | LHCVF1AD            |
|  |                         |                        | Dilution Factor: 1      |                   |               |                                   |                     |
|  |                         |                        | Analysis Time...: 13:50 |                   |               |                                   |                     |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D9H010141

Matrix.....: SOLID

Date Sampled...: 07/29/09 09:55 Date Received...: 07/31/09

| <u>PARAMETER</u> | <u>SAMPLE AMOUNT</u> | <u>SPIKE AMT</u> | <u>MEASRD AMOUNT</u> | <u>UNITS</u> | <u>PERCNT RECVRY</u> | <u>RPD</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|----------------------|------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|
|------------------|----------------------|------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|

MS Lot-Sample #: D9G310179-001 Prep Batch #....: 9215349

Mercury

|       |       |       |       |    |     |  |             |          |          |
|-------|-------|-------|-------|----|-----|--|-------------|----------|----------|
| 0.025 | 0.417 | 0.398 | mg/kg | 90 |     |  | SW846 7471A | 08/04/09 | LHCVFLAC |
| 0.025 | 0.417 | 0.410 | mg/kg | 93 | 2.9 |  | SW846 7471A | 08/04/09 | LHCVFLAD |

Dilution Factor: 1

Analysis Time...: 13:50

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.



*TestAmerica Denver*  
**Sample Receiving Checklist**

Lot #: D9H010141 Date/Time Received: 8/1/09 0830

Company Name & Sampling Site: TA Irvine - Boeing

PM to Complete This Section: *Yes* *No*  
 Residual chlorine check required:   Quarantined:

Quote #: 72743

Special Instructions:

Time Zone:  
 • EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

**Unpacking Checks:**

Cooler #(s): \_\_\_\_\_

Temperatures (°C): 0-8 \_\_\_\_\_

N/A Yes No

- |                                     |                                     |                          |   |                              |
|-------------------------------------|-------------------------------------|--------------------------|---|------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.   | <i>Initials</i><br><u>JS</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes: <input checked="" type="checkbox"/> No: _____   |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 3. Chain of custody present? If no, document on CUR.  |                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Bottles broken and/or are leaking? If yes, document on CUR.  |                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Multiphasic samples obvious? If yes, document on CUR.  |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.  |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 7. pH of all samples checked and meet requirements? If no, document on CUR.   |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.                                |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.  |                              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 10. Were VOA samples without headspace? If no, document on CUR.   |                              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 11. Were VOA vials preserved? Preservative <input type="checkbox"/> HCl <input type="checkbox"/> 4±2°C <input type="checkbox"/> Sodium Thiosulfate <input type="checkbox"/> Ascorbic Acid |                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Did samples require preservation with sodium thiosulfate?   |                              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.  |                              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.  |                              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.  |                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.   |                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 17. Are analyses with short holding times requested?  |                              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 18. Was a quick Turn Around (TAT) requested?  |                              |

\\QA\Edit\FORMS\Sample Receiving\Sample Receiving Checklist 9-2-08

*TestAmerica Denver*  
**Sample Receiving Checklist**

Lot # D9H010141

**Login Checks:**

*Initials*

N/A Yes No

fm

- 19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) document on CUR, and contact PM before proceeding. If no,
- 20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- 22. Were special log in instructions read and followed?
- 23. Were AFCEE metals logged for refrigerated storage?
- 24. Were tests logged checked against the COC? Which samples were confirmed? 1
- 25. Was a Rush form completed for quick TAT?
- 26. Was a Short Hold form completed for any short holds?
- 27. Were special archiving instructions indicated in the General Comments? If so, what were they?

**Labeling and Storage Checks:**

*Initials*

[Signature]

- 28. Was the subcontract COC signed and sent with samples to bottle prep?
- 29. Were sample labels double-checked by a second person?
- 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- 31. Did the sample ID, Date, and Time from label match what was logged?
- 32. Were stickers for special archiving instructions affixed to each box? See #27
- 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

SUBCONTRACT ORDER

TestAmerica Irvine

ISG2471

0.87M  
Jm 8/11/09

SENDING LABORATORY:

TestAmerica Irvine  
17461 Derian Avenue. Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: The Boeing Company-SSFL


RECEIVING LABORATORY:

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone : (303) 736-0100  
Fax: (303) 431-7171  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C Ice: Y / N

| Analysis | Units | Due | Expires | Interlab Price | Surch | Comments |
|----------|-------|-----|---------|----------------|-------|----------|
|----------|-------|-----|---------|----------------|-------|----------|

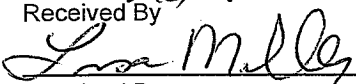
|                                      |             |          |                |         |     |                              |
|--------------------------------------|-------------|----------|----------------|---------|-----|------------------------------|
| <b>Sample ID: ISG2471-01</b>         | <b>Soil</b> |          |                |         |     | Sampled: 07/30/09 10:14      |
| Mercury-7470/7471-OUT                | mg/kg       | 08/07/09 | 08/27/09 10:14 | \$35.00 | 25% | J Flags/Boeing/sub to denver |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |         |     |                              |

|                                      |             |          |                |         |     |                              |
|--------------------------------------|-------------|----------|----------------|---------|-----|------------------------------|
| <b>Sample ID: ISG2471-02</b>         | <b>Soil</b> |          |                |         |     | Sampled: 07/30/09 10:29      |
| Mercury-7470/7471-OUT                | mg/kg       | 08/07/09 | 08/27/09 10:29 | \$35.00 | 25% | J Flags/Boeing/sub to denver |
| Containers Supplied:<br>2 oz Jar (B) |             |          |                |         |     |                              |

  
Released By \_\_\_\_\_  
Date/Time 7/31/09 17:00

FedEx  
Received By \_\_\_\_\_  
Date/Time 7/31/09 17:00

Released By \_\_\_\_\_  
Date/Time \_\_\_\_\_  
TestAmerica

  
Received By \_\_\_\_\_  
Date/Time 8/11/09 0830

## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
7KSSISRA

Sampled: 08/17/09  
Received: 08/18/09  
Issued: 09/09/09 12:13

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain of Custody, 1 page, is included and is an integral part of this report.*

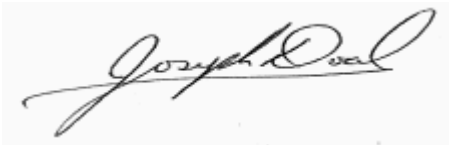
*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

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

| LABORATORY ID | CLIENT ID    | MATRIX |
|---------------|--------------|--------|
| ISH1607-01    | ISWC0094S001 | Soil   |
| ISH1607-02    | ISWC0095S001 | Soil   |

Reviewed By:



TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH1607-01 (ISWC0094S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H24077 | 0.88      | 10              | ND            | 1               | 08/24/09       | 08/24/09      | M2              |
| Arsenic  | EPA 6010B | 9H24077 | 0.81      | 2.0             | <b>8.1</b>    | 1               | 08/24/09       | 08/24/09      |                 |
| Barium   | EPA 6010B | 9H24077 | 0.80      | 1.0             | <b>51</b>     | 1               | 08/24/09       | 08/24/09      |                 |
| Beryllium  | EPA 6010B | 9H24077 | 0.20      | 0.50            | <b>0.54</b>   | 1               | 08/24/09       | 08/24/09      |                 |
| Cadmium  | EPA 6010B | 9H24077 | 0.20      | 0.50            | ND            | 1               | 08/24/09       | 08/24/09      |                 |
| Chromium   | EPA 6010B | 9H24077 | 0.30      | 1.0             | <b>25</b>     | 1               | 08/24/09       | 08/24/09      |                 |
| Cobalt   | EPA 6010B | 9H24077 | 0.30      | 1.0             | <b>6.2</b>    | 1               | 08/24/09       | 08/24/09      |                 |
| Copper   | EPA 6010B | 9H24077 | 0.38      | 2.0             | <b>14</b>     | 1               | 08/24/09       | 08/24/09      |                 |
| Lead   | EPA 6010B | 9H24077 | 0.50      | 2.0             | <b>6.6</b>    | 1               | 08/24/09       | 08/24/09      |                 |
| Molybdenum   | EPA 6010B | 9H24077 | 0.20      | 2.0             | <b>0.44</b>   | 1               | 08/24/09       | 08/24/09      | J               |
| Nickel   | EPA 6010B | 9H24077 | 0.20      | 2.0             | <b>17</b>     | 1               | 08/24/09       | 08/24/09      |                 |
| Selenium   | EPA 6010B | 9H24077 | 1.0       | 2.0             | ND            | 1               | 08/24/09       | 08/25/09      |                 |
| Silver   | EPA 6010B | 9H24077 | 0.80      | 1.0             | <b>0.95</b>   | 1               | 08/24/09       | 08/24/09      | J               |
| Thallium   | EPA 6010B | 9H24077 | 0.80      | 10              | ND            | 1               | 08/24/09       | 08/24/09      |                 |
| Vanadium   | EPA 6010B | 9H24077 | 0.30      | 1.0             | <b>35</b>     | 1               | 08/24/09       | 08/24/09      |                 |
| Zinc   | EPA 6010B | 9H24077 | 0.75      | 5.0             | <b>54</b>     | 1               | 08/24/09       | 08/24/09      |                 |

## Sample ID: ISH1607-02 (ISWC0095S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9H24077 | 0.88 | 10   | ND          | 1 | 08/24/09 | 08/24/09 |   |
| Arsenic    | EPA 6010B | 9H24077 | 0.81 | 2.0  | <b>7.3</b>  | 1 | 08/24/09 | 08/24/09 |   |
| Barium     | EPA 6010B | 9H24077 | 0.80 | 1.0  | <b>52</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Beryllium  | EPA 6010B | 9H24077 | 0.20 | 0.50 | <b>0.48</b> | 1 | 08/24/09 | 08/24/09 | J |
| Cadmium    | EPA 6010B | 9H24077 | 0.20 | 0.50 | <b>0.58</b> | 1 | 08/24/09 | 08/24/09 |   |
| Chromium   | EPA 6010B | 9H24077 | 0.30 | 1.0  | <b>28</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Cobalt     | EPA 6010B | 9H24077 | 0.30 | 1.0  | <b>6.6</b>  | 1 | 08/24/09 | 08/24/09 |   |
| Copper     | EPA 6010B | 9H24077 | 0.38 | 2.0  | <b>15</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Lead       | EPA 6010B | 9H24077 | 0.50 | 2.0  | <b>75</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Molybdenum | EPA 6010B | 9H24077 | 0.20 | 2.0  | <b>0.61</b> | 1 | 08/24/09 | 08/24/09 | J |
| Nickel     | EPA 6010B | 9H24077 | 0.20 | 2.0  | <b>17</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Selenium   | EPA 6010B | 9H24077 | 1.0  | 2.0  | ND          | 1 | 08/24/09 | 08/24/09 |   |
| Silver     | EPA 6010B | 9H24077 | 0.80 | 1.0  | <b>0.94</b> | 1 | 08/24/09 | 08/24/09 | J |
| Thallium   | EPA 6010B | 9H24077 | 0.80 | 10   | ND          | 1 | 08/24/09 | 08/24/09 |   |
| Vanadium   | EPA 6010B | 9H24077 | 0.30 | 1.0  | <b>31</b>   | 1 | 08/24/09 | 08/24/09 |   |
| Zinc       | EPA 6010B | 9H24077 | 0.75 | 5.0  | <b>77</b>   | 1 | 08/24/09 | 08/24/09 |   |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## SW846 7471A

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH1607-01 (ISWC0094S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9237303 | 0.0055    | 0.033           | ND            | 1               | 08/25/09       | 08/25/09      |                 |
| <b>Sample ID: ISH1607-02 (ISWC0095S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9237303 | 0.0055    | 0.033           | ND            | 1               | 08/25/09       | 08/25/09      |                 |

TestAmerica Irvine

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Project Manager

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ISH1607 <Page 3 of 11>

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## STLC METALS

| Analyte                                     | Batch   | MDL<br>Limit | Reporting<br>Limit | Sample<br>Result | Dilution<br>Factor | STLC<br>Limit | Date<br>Extracted | Date<br>Analyzed | Data<br>Qualifiers |
|---|---------|--------------|--------------------|------------------|--------------------|---------------|-------------------|------------------|--------------------|
| Sample ID: ISH1607-02 (ISWC0095S001 - Soil) |         |              |                    |                  |                    |               |                   |                  |                    |
| Reporting Units: mg/l                       |         |              |                    |                  |                    |               |                   |                  |                    |
| Lead  | 9I03125 | 0.080        | 0.10               | 2.7              | 1                  | 5.0           | 9/3/2009          | 9/8/2009         |                    |

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ISH1607 <Page 4 of 11>

The Boeing Company-SSFL  
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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

| Analyte                                     | Method   | Batch   | Extraction Start Date | Extraction End Date | Data Qualifiers |
|---|----------|---------|-----------------------|---------------------|-----------------|
| Sample ID: ISH1607-02 (ISWC0095S001 - Soil) |          |         |                       |                     |                 |
| Extraction                                  | STLC-Met | 9I01132 | 9/1/2009              | 9/3/2009            |                 |

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISH1607-01 (ISWC0094S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 8.1           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 51            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.54          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 25            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 6.2           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 14            | 25                            | 2500                           |                               |
| Lead  | mg/kg        | 6.6           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 0.44          | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 17            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | 0.95          | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 35            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 54            | 250                           | 5000                           |                               |
| <b>ISH1607-02 (ISWC0095S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 7.3           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 52            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.48          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | 0.58          | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 6.6           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 15            | 25                            | 2500                           |                               |
| <b>Lead</b>                                       | <b>mg/kg</b> | <b>75</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 0.61          | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 17            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | 0.94          | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 31            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 77            | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD RPD | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|---------|---------|-----------------|
| <b>Batch: 9H24077 Extracted: 08/24/09</b>                   |        |                 |      |       |             |               |           |         |         |                 |
| <b>Blank Analyzed: 08/24/2009-08/25/2009 (9H24077-BLK1)</b> |        |                 |      |       |             |               |           |         |         |                 |
| Antimony  | ND     | 10              | 0.88 | mg/kg |             |               |           |         |         |                 |
| Arsenic   | ND     | 2.0             | 0.81 | mg/kg |             |               |           |         |         |                 |
| Barium  | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Beryllium   | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Cadmium   | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Chromium  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Cobalt  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Copper  | ND     | 2.0             | 0.38 | mg/kg |             |               |           |         |         |                 |
| Lead  | ND     | 2.0             | 0.50 | mg/kg |             |               |           |         |         |                 |
| Molybdenum  | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Nickel  | 0.221  | 2.0             | 0.20 | mg/kg |             |               |           |         |         | J               |
| Selenium  | ND     | 2.0             | 1.0  | mg/kg |             |               |           |         |         |                 |
| Silver  | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Thallium  | ND     | 10              | 0.80 | mg/kg |             |               |           |         |         |                 |
| Vanadium  | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Zinc  | 2.23   | 5.0             | 0.75 | mg/kg |             |               |           |         |         | J               |

### LCS Analyzed: 08/24/2009-08/25/2009 (9H24077-BS1)

|            |      |      |      |       |      |  |    |        |
|------------|------|------|------|-------|------|--|----|--------|
| Antimony   | 46.1 | 10   | 0.88 | mg/kg | 50.0 |  | 92 | 80-120 |
| Arsenic    | 44.2 | 2.0  | 0.81 | mg/kg | 50.0 |  | 88 | 80-120 |
| Barium     | 47.3 | 1.0  | 0.80 | mg/kg | 50.0 |  | 95 | 80-120 |
| Beryllium  | 47.1 | 0.50 | 0.20 | mg/kg | 50.0 |  | 94 | 80-120 |
| Cadmium    | 43.9 | 0.50 | 0.20 | mg/kg | 50.0 |  | 88 | 80-120 |
| Chromium   | 46.3 | 1.0  | 0.30 | mg/kg | 50.0 |  | 93 | 80-120 |
| Cobalt     | 44.9 | 1.0  | 0.30 | mg/kg | 50.0 |  | 90 | 80-120 |
| Copper     | 47.3 | 2.0  | 0.38 | mg/kg | 50.0 |  | 95 | 80-120 |
| Lead       | 46.0 | 2.0  | 0.50 | mg/kg | 50.0 |  | 92 | 80-120 |
| Molybdenum | 44.2 | 2.0  | 0.20 | mg/kg | 50.0 |  | 88 | 80-120 |
| Nickel     | 44.2 | 2.0  | 0.20 | mg/kg | 50.0 |  | 88 | 80-120 |
| Selenium   | 42.3 | 2.0  | 1.0  | mg/kg | 50.0 |  | 85 | 80-120 |
| Silver     | 23.4 | 1.0  | 0.80 | mg/kg | 25.0 |  | 93 | 80-120 |
| Thallium   | 45.8 | 10   | 0.80 | mg/kg | 50.0 |  | 92 | 80-120 |
| Vanadium   | 46.2 | 1.0  | 0.30 | mg/kg | 50.0 |  | 92 | 80-120 |
| Zinc       | 45.3 | 5.0  | 0.75 | mg/kg | 50.0 |  | 91 | 80-120 |

### TestAmerica Irvine

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H24077 Extracted: 08/24/09</b>                              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/24/2009-08/25/2009 (9H24077-MS1)</b>      |        |                 |      |       |             | <b>Source: ISH1607-01</b> |           |             |     |           |                 |
| Antimony   | 21.9   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 44        | 75-125      |     |           | M2              |
| Arsenic  | 50.1   | 2.0             | 0.81 | mg/kg | 50.0        | 8.13                      | 84        | 75-125      |     |           |                 |
| Barium   | 96.6   | 1.0             | 0.80 | mg/kg | 50.0        | 51.4                      | 90        | 75-125      |     |           |                 |
| Beryllium  | 47.7   | 0.50            | 0.20 | mg/kg | 50.0        | 0.540                     | 94        | 75-125      |     |           |                 |
| Cadmium  | 44.0   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 88        | 75-125      |     |           |                 |
| Chromium   | 68.4   | 1.0             | 0.30 | mg/kg | 50.0        | 24.8                      | 87        | 75-125      |     |           |                 |
| Cobalt   | 50.5   | 1.0             | 0.30 | mg/kg | 50.0        | 6.20                      | 89        | 75-125      |     |           |                 |
| Copper   | 60.9   | 2.0             | 0.38 | mg/kg | 50.0        | 13.8                      | 94        | 75-125      |     |           |                 |
| Lead   | 51.1   | 2.0             | 0.50 | mg/kg | 50.0        | 6.56                      | 89        | 75-125      |     |           |                 |
| Molybdenum   | 43.4   | 2.0             | 0.20 | mg/kg | 50.0        | 0.438                     | 86        | 75-125      |     |           |                 |
| Nickel   | 58.8   | 2.0             | 0.20 | mg/kg | 50.0        | 16.8                      | 84        | 75-125      |     |           |                 |
| Selenium   | 39.3   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 79        | 75-125      |     |           |                 |
| Silver   | 23.8   | 1.0             | 0.80 | mg/kg | 25.0        | 0.954                     | 92        | 75-125      |     |           |                 |
| Thallium   | 43.8   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 88        | 75-125      |     |           |                 |
| Vanadium   | 80.7   | 1.0             | 0.30 | mg/kg | 50.0        | 35.0                      | 91        | 75-125      |     |           |                 |
| Zinc   | 95.6   | 5.0             | 0.75 | mg/kg | 50.0        | 53.9                      | 84        | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/24/2009-08/25/2009 (9H24077-MSD1)</b> |        |                 |      |       |             | <b>Source: ISH1607-01</b> |           |             |     |           |                 |
| Antimony   | 23.0   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 46        | 75-125      | 5   | 20        | M2              |
| Arsenic  | 49.7   | 2.0             | 0.81 | mg/kg | 50.0        | 8.13                      | 83        | 75-125      | 1   | 20        |                 |
| Barium   | 94.5   | 1.0             | 0.80 | mg/kg | 50.0        | 51.4                      | 86        | 75-125      | 2   | 20        |                 |
| Beryllium  | 45.5   | 0.50            | 0.20 | mg/kg | 50.0        | 0.540                     | 90        | 75-125      | 5   | 20        |                 |
| Cadmium  | 41.7   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 83        | 75-125      | 5   | 20        |                 |
| Chromium   | 68.3   | 1.0             | 0.30 | mg/kg | 50.0        | 24.8                      | 87        | 75-125      | 0   | 20        |                 |
| Cobalt   | 47.9   | 1.0             | 0.30 | mg/kg | 50.0        | 6.20                      | 83        | 75-125      | 5   | 20        |                 |
| Copper   | 59.5   | 2.0             | 0.38 | mg/kg | 50.0        | 13.8                      | 91        | 75-125      | 2   | 20        |                 |
| Lead   | 50.3   | 2.0             | 0.50 | mg/kg | 50.0        | 6.56                      | 88        | 75-125      | 2   | 20        |                 |
| Molybdenum   | 41.9   | 2.0             | 0.20 | mg/kg | 50.0        | 0.438                     | 83        | 75-125      | 4   | 20        |                 |
| Nickel   | 58.2   | 2.0             | 0.20 | mg/kg | 50.0        | 16.8                      | 83        | 75-125      | 1   | 20        |                 |
| Selenium   | 38.8   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 78        | 75-125      | 1   | 20        |                 |
| Silver   | 23.5   | 1.0             | 0.80 | mg/kg | 25.0        | 0.954                     | 90        | 75-125      | 1   | 20        |                 |
| Thallium   | 42.3   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 85        | 75-125      | 4   | 20        |                 |
| Vanadium   | 80.9   | 1.0             | 0.30 | mg/kg | 50.0        | 35.0                      | 92        | 75-125      | 0   | 20        |                 |
| Zinc   | 95.8   | 5.0             | 0.75 | mg/kg | 50.0        | 53.9                      | 84        | 75-125      | 0   | 20        |                 |

TestAmerica Irvine

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Project Manager

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 5800 Woolsey Canyon Road  
 Canoga Park, CA 91304-1148  
 Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
 7KSSISRA  
 Report Number: ISH1607

Sampled: 08/17/09  
 Received: 08/18/09

## METHOD BLANK/QC DATA

### STLC METALS

| Analyte   | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I03125 Extracted: 09/03/09</b>                   |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 09/08/2009 (9I03125-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | ND     | 0.10            | 0.080 | mg/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 09/08/2009 (9I03125-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | 20.9   | 0.10            | 0.080 | mg/l  | 20.0        |                           | 104  | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/08/2009 (9I03125-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISH1731-04</b> |      |             |     |           |                 |
| Lead  | 21.0   | 0.10            | 0.080 | mg/l  | 20.0        | 0.194                     | 104  | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/08/2009 (9I03125-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISH1731-04</b> |      |             |     |           |                 |
| Lead  | 20.8   | 0.10            | 0.080 | mg/l  | 20.0        | 0.194                     | 103  | 75-125      | 1   | 20        |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

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

Project ID: ISRA HV Waste Characterization  
 7KSSISRA  
 Report Number: ISH1607

Sampled: 08/17/09  
 Received: 08/18/09

## METHOD BLANK/QC DATA

### SW846 7471A

| Analyte  | Result | Reporting Limit | MDL    | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9237303 Extracted: 08/25/09</b>                    |        |                 |        |       |             |                           |      |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/25/2009 (D9H200170001D)</b> |        |                 |        |       |             | <b>Source: ISH1607-01</b> |      |             |     |           |                 |
| Mercury  | 0.446  | 0.033           | 0.0055 | mg/kg | 0.41        | ND                        | 108  | 87-111      | 0   | 20        |                 |
| <b>Matrix Spike Analyzed: 08/25/2009 (D9H200170001S)</b>     |        |                 |        |       |             | <b>Source: ISH1607-01</b> |      |             |     |           |                 |
| Mercury  | 0.448  | 0.033           | 0.0055 | mg/kg | 0.41        | ND                        | 109  | 87-111      | 0   | 20        |                 |
| <b>Blank Analyzed: 08/25/2009 (D9H250000303B)</b>            |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                           |      | -           |     |           |                 |
| <b>LCS Analyzed: 08/25/2009 (D9H250000303C)</b>              |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | 0.464  | 0.033           | 0.0055 | mg/kg | 0.417       |                           | 111  | 87-111      |     |           |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## 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.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISH1607 <Page 10 of 11>**

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISH1607

Sampled: 08/17/09  
Received: 08/18/09

## Certification Summary

### TestAmerica Irvine

| Method     | Matrix | Nelac | California |
|------------|--------|-------|------------|
| 6010B-STLC | Soil   | X     | X          |
| EPA 6010B  | Soil   | X     | X          |
| STLC-Met   | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: SW846 7471A  
Samples: ISH1607-01, ISH1607-02

### TestAmerica Irvine

Joseph Doak  
Project Manager

**Chain of Custody Record**

**Irvine**  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| <b>Client Contact</b><br>The Boeing Company SSFL<br>5800 Woolsey Canyon Road<br>Canoga Park, CA 91304<br>Phone _____<br>FAX _____<br>Project Name: ISRA - Canyon Waste Characterization<br>Site: Canyon<br>P O # 7KSSISRA   |  | <b>Project Manager: Tom Venable</b><br>Tel/Fax: 818-466-8779 / 818-466-4873<br>Analysis Turnaround Time<br>Calendar (C) or Work Days (W) <u>W</u><br>TAT if different from Below<br><input checked="" type="checkbox"/> 2 weeks (10 DAYS)<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | <b>Site Contact: Shelby Valenzuela</b><br>Lab Contact: Joe Doak<br>Date: <b>8-17-09</b><br>Carrier: Lab pick-up |  | TestAmerica Laboratories, Inc.<br>COC No: _____<br>Job No. 1891614<br>SDG No. <b>FSH1607</b> |  |
| <b>Sample Identification</b><br>ISWC00945001<br>ISWC00955001<br><del>ISWC00965001</del>   |  | Sample Date<br>8-17-09 14:08<br>8-17-09 14:21   |  | Sample Type<br>SLEENE<br>SLEENE   |  | Matrix<br>SOIL<br>SOIL   |  |
|   |  |   |  | # of Cont. 1<br>1   |  |  |  |
| Preservation Used (1 = Ice, 2 = HCl, 3 = H2SO4, 4 = HNO3, 5 = NaOH, 6 = Other)<br>Possible Hazard Identification<br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown |  |   |  |   |  |  |  |
| Relinquished by: <i>[Signature]</i><br>Relinquished by: <i>[Signature]</i><br>Relinquished by: <i>[Signature]</i>   |  | Date/Time: 8-18-09 11:42<br>Date/Time: 8/19/09<br>Date/Time:  |  | Company: MWIH<br>Company: TA<br>Company:  |  | Date/Time: 8/18/09 11:42<br>Date/Time: 8/18/09 1745<br>Date/Time:                            |  |
| Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds   |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>6</u> Months   |  | Received by: <i>[Signature]</i><br>Received by: <i>[Signature]</i><br>Received by:                              |  | Company: TEST AMERICA<br>Company: TAF<br>Company:  |  |

014 5,30C

**TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## **ANALYTICAL REPORT**

**MWH – Pasadena/Boeing**

Lot D9H200170

Project ISH1607

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.



DiLea Griego  
Project Manager

August 26, 2009



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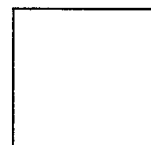
## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for two samples received at the TestAmerica Laboratory in Denver on August 20, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

## Quality Control Summary for Lot D9H200170

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 4.1°C.

### Total Metals- Method 7471A

No anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D9H200170

| <u>PARAMETER</u>                | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|---------------------------------|---------------|----------------------------|--------------|------------------------------|
| <b>NO DETECTABLE PARAMETERS</b> |               |                            |              |                              |

# METHODS SUMMARY

D9H200170

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# METHOD / ANALYST SUMMARY

D9H200170

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>       | <u>ANALYST<br/>ID</u> |
|------------------------------|----------------------|-----------------------|
| SW846 7471A                  | Christopher Grisdale | 9582                  |

**References:**

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9H200170

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| LJGHK       | 001            | ISH1607-01              | 08/17/09            | 14:08            |
| LJGHN       | 002            | ISH1607-02              | 08/17/09            | 14:21            |

## NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ISH1607-01

TOTAL Metals

Lot-Sample #...: D9H200170-001

Matrix.....: SOLID

Date Sampled...: 08/17/09 14:08 Date Received...: 08/20/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>          | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                        | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9237303 |               |                    |              |                        |                      |                |
| Mercury                  | ND            | 0.033              | mg/kg        | SW846 7471A            | 08/25/09             | LJGHK1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time..: 21:15 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISH1607-02

TOTAL Metals

Lot-Sample #...: D9H200170-002

Matrix.....: SOLID

Date Sampled...: 08/17/09 14:21 Date Received...: 08/20/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9237303 |               |                    |              |                         |                      |                |
| Mercury                  | ND            | 0.033              | mg/kg        | SW846 7471A             | 08/25/09             | LJGHN1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 21:26 | MDL.....: 0.0055     |                |



# QC DATA ASSOCIATION SUMMARY

D9H200170

Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9237303                 | 9237186        |
| 002            | SOLID         | SW846 7471A                  |                          | 9237303                 | 9237186        |

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9H200170

Matrix.....: SOLID

| <u>PARAMETER</u>               | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>            | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------------|---------------|----------------------------|--------------|--------------------------|---------------------------------------|-------------------------|
| MB Lot-Sample #: D9H250000-303 |               |                            |              | Prep Batch #...: 9237303 |                                       |                         |
| Mercury                        | ND            | 0.033                      | mg/kg        | SW846 7471A              | 08/25/09                              | LJPQG1AA                |
|                                |               | Dilution Factor: 1         |              |                          |                                       |                         |
|                                |               | Analysis Time..: 21:10     |              |                          |                                       |                         |

**NOTE (S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H200170

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|
| LCS Lot-Sample#: | D9H250000-303               | Prep Batch #...:           | 9237303       |                                       |                     |
| Mercury          | 111                         | (87 - 111)                 | SW846 7471A   | 08/25/09                              | LJPQG1AC            |
|                  |                             | Dilution Factor: 1         |               | Analysis Time...: 22:28               |                     |

**NOTE(S) :**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9H200170

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCNT</u><br><u>RECVRY</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|

LCS Lot-Sample#: D9H250000-303 Prep Batch #...: 9237303

|         |       |       |       |     |             |          |          |
|---------|-------|-------|-------|-----|-------------|----------|----------|
| Mercury | 0.417 | 0.464 | mg/kg | 111 | SW846 7471A | 08/25/09 | LJPQG1AC |
|---------|-------|-------|-------|-----|-------------|----------|----------|

Dilution Factor: 1

Analysis Time...: 22:28

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H200170

Matrix.....: SOLID

Date Sampled...: 08/17/09 14:08 Date Received...: 08/20/09

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>RPD</u> | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-------------------------|------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|
|------------------|-------------------------|------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|

MS Lot-Sample #: D9H200170-001 Prep Batch #...: 9237303

|         |     |            |      |        |             |          |          |
|---------|-----|------------|------|--------|-------------|----------|----------|
| Mercury | 109 | (87 - 111) |      |        | SW846 7471A | 08/25/09 | LJGHK1AC |
|         | 108 | (87 - 111) | 0.42 | (0-20) | SW846 7471A | 08/25/09 | LJGHK1AD |

Dilution Factor: 1

Analysis Time...: 21:17

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D9H200170

Matrix.....: SOLID

Date Sampled....: 08/17/09 14:08 Date Received...: 08/20/09

| <u>PARAMETER</u> | <u>SAMPLE AMOUNT</u> | <u>SPIKE AMT</u> | <u>MEASRD AMOUNT</u> | <u>UNITS</u> | <u>PERCNT RECVRY</u> | <u>RPD</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|----------------------|------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|
|------------------|----------------------|------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|

MS Lot-Sample #: D9H200170-001 Prep Batch #....: 9237303

Mercury

|    |       |       |       |     |      |  |             |          |          |
|----|-------|-------|-------|-----|------|--|-------------|----------|----------|
| ND | 0.410 | 0.448 | mg/kg | 109 |      |  | SW846 7471A | 08/25/09 | LJGHK1AC |
| ND | 0.410 | 0.446 | mg/kg | 108 | 0.42 |  | SW846 7471A | 08/25/09 | LJGHK1AD |

Dilution Factor: 1

Analysis Time...: 21:17

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica Denver  
Sample Receiving Checklist

Lot #: D9H200170 Date/Time Received: 8/20/09 0900

Company Name & Sampling Site: TA IRVINE-BOEING

PM to Complete This Section: Yes No  
Residual chlorine check required:   Quarantined:

Quote #: 72743

Special Instructions:

Time Zone:  
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 4.1

N/A Yes No

- 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.
- 2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes:  No:
- 3. Chain of custody present? If no, document on CUR.
- 4. Bottles broken and/or are leaking? If yes, document on CUR.
- 5. Multiphasic samples obvious? If yes, document on CUR.
- 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.
- 7. pH of all samples checked and meet requirements? If no, document on CUR.
- 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.
- 10. Were VOA samples without headspace? If no, document on CUR.
- 11. Were VOA vials preserved? Preservative  HCl  4±2°C  Sodium Thiosulfate  Ascorbic Acid
- 12. Did samples require preservation with sodium thiosulfate?
- 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.
- 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.
- 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.
- 17. Are analyses with short holding times requested?
- 18. Was a quick Turn Around (TAT) requested?

*Artifacts*

TestAmerica Denver  
Sample Receiving Checklist

Lot # D9H200170

**Login Checks:**

Initials

N/A Yes No

JB

- 19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) document on CUR, and contact PM before proceeding. If no,
- 20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- 22. Were special log in instructions read and followed?
- 23. Were AFCEE metals logged for refrigerated storage?
- 24. Were tests logged checked against the COC? Which samples were confirmed? 1
- 25. Was a Rush form completed for quick TAT?
- 26. Was a Short Hold form completed for any short holds?
- 27. Were special archiving instructions indicated in the General Comments? If so, what were they?

**Labeling and Storage Checks:**

Initials  
JB

- 28. Was the subcontract COC signed and sent with samples to bottle prep?
- 29. Were sample labels double-checked by a second person?
- 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- 31. Did the sample ID, Date, and Time from label match what was logged?
- 32. Were stickers for special archiving instructions affixed to each box? See #27
- 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).



4.1  
AB  
DLS  
8/20/09

**SUBCONTRACT ORDER**

**TestAmerica Irvine**

**ISH1607**

**SENDING LABORATORY:**

TestAmerica Irvine  
17461 Derian Avenue. Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: The Boeing Company-SSFL

**RECEIVING LABORATORY:**

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone : (303) 736-0100  
Fax: (303) 431-7171  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

| Analysis | Units | Due | Expires | Interlab Price Surch | Comments |
|----------|-------|-----|---------|----------------------|----------|
|----------|-------|-----|---------|----------------------|----------|

|   |             |                                |                |            |                              |
|---|-------------|--------------------------------|----------------|------------|------------------------------|
| <b>Sample ID: ISH1607-01</b>                | <b>Soil</b> | <b>Sampled: 08/17/09 14:08</b> |                |            |                              |
| Mercury-7470/7471-OUT                       | mg/kg       | 08/27/09                       | 09/14/09 14:08 | \$35.00 0% | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (B) |             |                                |                |            |                              |

|   |             |                                |                |            |                              |
|---|-------------|--------------------------------|----------------|------------|------------------------------|
| <b>Sample ID: ISH1607-02</b>                | <b>Soil</b> | <b>Sampled: 08/17/09 14:21</b> |                |            |                              |
| Mercury-7470/7471-OUT                       | mg/kg       | 08/27/09                       | 09/14/09 14:21 | \$35.00 0% | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (B) |             |                                |                |            |                              |

|                     |                      |                      |                      |
|---------------------|----------------------|----------------------|----------------------|
| <u>Olga Ornelas</u> | <u>8/19/09 17:00</u> | <u>FedEx</u>         | <u>8/19/09 17:00</u> |
| Released By         | Date/Time            | Received By          | Date/Time            |
| _____               | _____                | <u>Aaron Binnett</u> | <u>8/20/09 0900</u>  |
| Released By         | Date/Time            | Received By          | Date/Time            |

## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
ELV-1C

Sampled: 08/24/09  
Received: 08/24/09  
Issued: 09/08/09 16:07

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain of Custody, 1 page, is included and is an integral part of this report.*

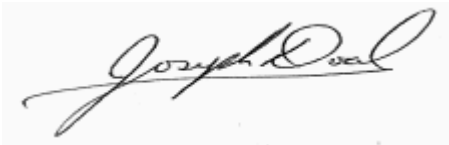
*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

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

| LABORATORY ID | CLIENT ID    | MATRIX |
|---------------|--------------|--------|
| ISH2198-01    | ISWC0096S001 | Soil   |
| ISH2198-02    | ISWC0097S001 | Soil   |
| ISH2198-03    | ISWC0098S001 | Soil   |
| ISH2198-04    | ISWC0099S001 | Soil   |
| ISH2198-05    | ISWC0100S001 | Soil   |
| ISH2198-06    | ISWC0101S001 | Soil   |
| ISH2198-07    | ISWC0102S001 | Soil   |
| ISH2198-08    | ISWC0103S001 | Soil   |

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH2198-01 (ISWC0096S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H29037 | 0.88      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Arsenic  | EPA 6010B | 9H29037 | 0.81      | 2.0             | <b>6.4</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Barium   | EPA 6010B | 9H29037 | 0.80      | 1.0             | <b>81</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Beryllium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | <b>0.63</b>   | 1               | 08/29/09       | 08/29/09      |                 |
| Cadmium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Chromium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>24</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Cobalt   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>6.8</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Copper   | EPA 6010B | 9H29037 | 0.38      | 2.0             | <b>18</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Lead   | EPA 6010B | 9H29037 | 0.50      | 2.0             | <b>24</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Molybdenum   | EPA 6010B | 9H29037 | 0.20      | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Nickel   | EPA 6010B | 9H29037 | 0.20      | 2.0             | <b>17</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Selenium   | EPA 6010B | 9H29037 | 1.0       | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Silver   | EPA 6010B | 9H29037 | 0.80      | 1.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Thallium   | EPA 6010B | 9H29037 | 0.80      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Vanadium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>42</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Zinc   | EPA 6010B | 9H29037 | 0.75      | 5.0             | <b>76</b>     | 1               | 08/29/09       | 08/29/09      |                 |

### Sample ID: ISH2198-02 (ISWC0097S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9H29037 | 0.88 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |   |
| Arsenic    | EPA 6010B | 9H29037 | 0.81 | 2.0  | <b>8.0</b>  | 1 | 08/29/09 | 08/29/09 |   |
| Barium     | EPA 6010B | 9H29037 | 0.80 | 1.0  | <b>91</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Beryllium  | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>0.75</b> | 1 | 08/29/09 | 08/29/09 |   |
| Cadmium    | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>1.3</b>  | 1 | 08/29/09 | 08/29/09 |   |
| Chromium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>31</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Cobalt     | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>7.8</b>  | 1 | 08/29/09 | 08/29/09 |   |
| Copper     | EPA 6010B | 9H29037 | 0.38 | 2.0  | <b>40</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Lead       | EPA 6010B | 9H29037 | 0.50 | 2.0  | <b>56</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Molybdenum | EPA 6010B | 9H29037 | 0.20 | 2.0  | <b>0.22</b> | 1 | 08/29/09 | 08/29/09 | J |
| Nickel     | EPA 6010B | 9H29037 | 0.20 | 2.0  | <b>21</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Selenium   | EPA 6010B | 9H29037 | 1.0  | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |   |
| Silver     | EPA 6010B | 9H29037 | 0.80 | 1.0  | ND          | 1 | 08/29/09 | 08/29/09 |   |
| Thallium   | EPA 6010B | 9H29037 | 0.80 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |   |
| Vanadium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>45</b>   | 1 | 08/29/09 | 08/29/09 |   |
| Zinc       | EPA 6010B | 9H29037 | 0.75 | 5.0  | <b>160</b>  | 1 | 08/29/09 | 08/29/09 |   |

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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH2198-03 (ISWC0098S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H29037 | 0.88      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Arsenic  | EPA 6010B | 9H29037 | 0.81      | 2.0             | <b>7.1</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Barium   | EPA 6010B | 9H29037 | 0.80      | 1.0             | <b>100</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Beryllium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | <b>0.86</b>   | 1               | 08/29/09       | 08/29/09      |                 |
| Cadmium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Chromium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>28</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Cobalt   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>8.4</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Copper   | EPA 6010B | 9H29037 | 0.38      | 2.0             | <b>20</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Lead   | EPA 6010B | 9H29037 | 0.50      | 2.0             | <b>9.7</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Molybdenum   | EPA 6010B | 9H29037 | 0.20      | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Nickel   | EPA 6010B | 9H29037 | 0.20      | 2.0             | <b>21</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Selenium   | EPA 6010B | 9H29037 | 1.0       | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Silver   | EPA 6010B | 9H29037 | 0.80      | 1.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Thallium   | EPA 6010B | 9H29037 | 0.80      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Vanadium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>48</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Zinc   | EPA 6010B | 9H29037 | 0.75      | 5.0             | <b>82</b>     | 1               | 08/29/09       | 08/29/09      |                 |

### Sample ID: ISH2198-04 (ISWC0099S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9H29037 | 0.88 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Arsenic    | EPA 6010B | 9H29037 | 0.81 | 2.0  | <b>7.5</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Barium     | EPA 6010B | 9H29037 | 0.80 | 1.0  | <b>85</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Beryllium  | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>0.67</b> | 1 | 08/29/09 | 08/29/09 |  |
| Cadmium    | EPA 6010B | 9H29037 | 0.20 | 0.50 | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Chromium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>25</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Cobalt     | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>7.7</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Copper     | EPA 6010B | 9H29037 | 0.38 | 2.0  | <b>17</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Lead       | EPA 6010B | 9H29037 | 0.50 | 2.0  | <b>9.2</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Molybdenum | EPA 6010B | 9H29037 | 0.20 | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Nickel     | EPA 6010B | 9H29037 | 0.20 | 2.0  | <b>19</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Selenium   | EPA 6010B | 9H29037 | 1.0  | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Silver     | EPA 6010B | 9H29037 | 0.80 | 1.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Thallium   | EPA 6010B | 9H29037 | 0.80 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Vanadium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>44</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Zinc       | EPA 6010B | 9H29037 | 0.75 | 5.0  | <b>68</b>   | 1 | 08/29/09 | 08/29/09 |  |

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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH2198-05 (ISWC0100S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H29037 | 0.88      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Arsenic  | EPA 6010B | 9H29037 | 0.81      | 2.0             | <b>7.6</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Barium   | EPA 6010B | 9H29037 | 0.80      | 1.0             | <b>82</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Beryllium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | <b>0.73</b>   | 1               | 08/29/09       | 08/29/09      |                 |
| Cadmium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | <b>0.41</b>   | 1               | 08/29/09       | 08/29/09      | J               |
| Chromium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>39</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Cobalt   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>7.3</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Copper   | EPA 6010B | 9H29037 | 0.38      | 2.0             | <b>21</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Lead   | EPA 6010B | 9H29037 | 0.50      | 2.0             | <b>18</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Molybdenum   | EPA 6010B | 9H29037 | 0.20      | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Nickel   | EPA 6010B | 9H29037 | 0.20      | 2.0             | <b>18</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Selenium   | EPA 6010B | 9H29037 | 1.0       | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Silver   | EPA 6010B | 9H29037 | 0.80      | 1.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Thallium   | EPA 6010B | 9H29037 | 0.80      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Vanadium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>43</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Zinc   | EPA 6010B | 9H29037 | 0.75      | 5.0             | <b>140</b>    | 1               | 08/29/09       | 08/29/09      |                 |

### Sample ID: ISH2198-06 (ISWC0101S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9H29037 | 0.88 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Arsenic    | EPA 6010B | 9H29037 | 0.81 | 2.0  | <b>7.8</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Barium     | EPA 6010B | 9H29037 | 0.80 | 1.0  | <b>95</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Beryllium  | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>0.76</b> | 1 | 08/29/09 | 08/29/09 |  |
| Cadmium    | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>1.7</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Chromium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>32</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Cobalt     | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>8.2</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Copper     | EPA 6010B | 9H29037 | 0.38 | 2.0  | <b>29</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Lead       | EPA 6010B | 9H29037 | 0.50 | 2.0  | <b>32</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Molybdenum | EPA 6010B | 9H29037 | 0.20 | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Nickel     | EPA 6010B | 9H29037 | 0.20 | 2.0  | <b>21</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Selenium   | EPA 6010B | 9H29037 | 1.0  | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Silver     | EPA 6010B | 9H29037 | 0.80 | 1.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Thallium   | EPA 6010B | 9H29037 | 0.80 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Vanadium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>49</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Zinc       | EPA 6010B | 9H29037 | 0.75 | 5.0  | <b>230</b>  | 1 | 08/29/09 | 08/29/09 |  |

TestAmerica Irvine

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Attention: Alex Fischl

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH2198-07 (ISWC0102S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9H29037 | 0.88      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Arsenic  | EPA 6010B | 9H29037 | 0.81      | 2.0             | <b>6.9</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Barium   | EPA 6010B | 9H29037 | 0.80      | 1.0             | <b>86</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Beryllium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | <b>0.72</b>   | 1               | 08/29/09       | 08/29/09      |                 |
| Cadmium  | EPA 6010B | 9H29037 | 0.20      | 0.50            | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Chromium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>28</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Cobalt   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>7.5</b>    | 1               | 08/29/09       | 08/29/09      |                 |
| Copper   | EPA 6010B | 9H29037 | 0.38      | 2.0             | <b>18</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Lead   | EPA 6010B | 9H29037 | 0.50      | 2.0             | <b>16</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Molybdenum   | EPA 6010B | 9H29037 | 0.20      | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Nickel   | EPA 6010B | 9H29037 | 0.20      | 2.0             | <b>19</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Selenium   | EPA 6010B | 9H29037 | 1.0       | 2.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Silver   | EPA 6010B | 9H29037 | 0.80      | 1.0             | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Thallium   | EPA 6010B | 9H29037 | 0.80      | 10              | ND            | 1               | 08/29/09       | 08/29/09      |                 |
| Vanadium   | EPA 6010B | 9H29037 | 0.30      | 1.0             | <b>45</b>     | 1               | 08/29/09       | 08/29/09      |                 |
| Zinc   | EPA 6010B | 9H29037 | 0.75      | 5.0             | <b>80</b>     | 1               | 08/29/09       | 08/29/09      |                 |

### Sample ID: ISH2198-08 (ISWC0103S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9H29037 | 0.88 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Arsenic    | EPA 6010B | 9H29037 | 0.81 | 2.0  | <b>4.9</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Barium     | EPA 6010B | 9H29037 | 0.80 | 1.0  | <b>85</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Beryllium  | EPA 6010B | 9H29037 | 0.20 | 0.50 | <b>0.65</b> | 1 | 08/29/09 | 08/29/09 |  |
| Cadmium    | EPA 6010B | 9H29037 | 0.20 | 0.50 | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Chromium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>20</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Cobalt     | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>5.7</b>  | 1 | 08/29/09 | 08/29/09 |  |
| Copper     | EPA 6010B | 9H29037 | 0.38 | 2.0  | <b>12</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Lead       | EPA 6010B | 9H29037 | 0.50 | 2.0  | <b>13</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Molybdenum | EPA 6010B | 9H29037 | 0.20 | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Nickel     | EPA 6010B | 9H29037 | 0.20 | 2.0  | <b>13</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Selenium   | EPA 6010B | 9H29037 | 1.0  | 2.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Silver     | EPA 6010B | 9H29037 | 0.80 | 1.0  | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Thallium   | EPA 6010B | 9H29037 | 0.80 | 10   | ND          | 1 | 08/29/09 | 08/29/09 |  |
| Vanadium   | EPA 6010B | 9H29037 | 0.30 | 1.0  | <b>37</b>   | 1 | 08/29/09 | 08/29/09 |  |
| Zinc       | EPA 6010B | 9H29037 | 0.75 | 5.0  | <b>59</b>   | 1 | 08/29/09 | 08/29/09 |  |

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Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## SW846 7471A

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISH2198-01 (ISWC0096S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.028</b>  | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-02 (ISWC0097S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.032</b>  | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-03 (ISWC0098S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.018</b>  | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-04 (ISWC0099S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.0079</b> | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-05 (ISWC0100S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.019</b>  | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-06 (ISWC0101S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.022</b>  | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-07 (ISWC0102S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.0089</b> | 1               | 08/28/09       | 08/28/09      | J               |
| <b>Sample ID: ISH2198-08 (ISWC0103S001 - Soil)</b> |             |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |             |         |           |                 |               |                 |                |               |                 |
| Mercury  | SW846 7471A | 9239448 | 0.0055    | 0.033           | <b>0.009</b>  | 1               | 08/28/09       | 08/28/09      | J               |

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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## STLC METALS

| Analyte                                     | Batch   | MDL<br>Limit | Reporting<br>Limit | Sample<br>Result | Dilution<br>Factor | STLC<br>Limit | Date<br>Extracted | Date<br>Analyzed | Data<br>Qualifiers |
|---|---------|--------------|--------------------|------------------|--------------------|---------------|-------------------|------------------|--------------------|
| Sample ID: ISH2198-02 (ISWC0097S001 - Soil) |         |              |                    |                  |                    |               |                   |                  |                    |
| Reporting Units: mg/l                       |         |              |                    |                  |                    |               |                   |                  |                    |
| Lead  | 9I05053 | 0.080        | 0.10               | 1.5              | 1                  | 5.0           | 9/5/2009          | 9/5/2009         |                    |

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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

| Analyte   | Method   | Batch   | Extraction Start Date | Extraction End Date | Data Qualifiers |
|---|----------|---------|-----------------------|---------------------|-----------------|
| Sample ID: ISH2198-02 (ISWC0097S001 - Soil)<br>Extraction | STLC-Met | 9I03101 | 9/3/2009              | 9/5/2009            |                 |

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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISH2198-01 (ISWC0096S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 6.4           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 81            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.63          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 24            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 6.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 18            | 25                            | 2500                           |                               |
| Lead  | mg/kg        | 24            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 17            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 42            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 76            | 250                           | 5000                           |                               |
| <b>ISH2198-02 (ISWC0097S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 8.0           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 91            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.75          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | 1.3           | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 31            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 7.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 40            | 25                            | 2500                           |                               |
| <b>Lead</b>                                       | <b>mg/kg</b> | <b>56</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 0.22          | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 21            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 45            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 160           | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

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Canoga Park, CA 91304-1148  
Attention: Alex Fischl

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISH2198-03 (ISWC0098S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 7.1           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 100           | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.86          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 8.4           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 20            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 9.7           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 21            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 48            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 82            | 250                           | 5000                           |                               |
| <b>ISH2198-04 (ISWC0099S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 7.5           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 85            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.67          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 25            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.7           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 17            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 9.2           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 19            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 44            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 68            | 250                           | 5000                           |                               |

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The Boeing Company-SSFL  
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Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISH2198-05 (ISWC0100S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 7.6           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 82            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.73          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | 0.41          | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 39            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.3           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 21            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 18            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 18            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 43            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 140           | 250                           | 5000                           |                               |
| <b>ISH2198-06 (ISWC0101S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 7.8           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 95            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.76          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | 1.7           | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 32            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 8.2           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 29            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 32            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 21            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 49            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 230           | 250                           | 5000                           |                               |

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Attention: Alex Fischl

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISH2198-07 (ISWC0102S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 6.9           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 86            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.72          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 28            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 7.5           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 18            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 16            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 19            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 45            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 80            | 250                           | 5000                           |                               |
| <b>ISH2198-08 (ISWC0103S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.9           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 85            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.65          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 20            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.7           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 12            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 13            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 13            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 37            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 59            | 250                           | 5000                           |                               |

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ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|------------|---------|-----------------|
| <b>Batch: 9H29037 Extracted: 08/29/09</b>        |        |                 |      |       |             |               |           |            |         |                 |
| <b>Blank Analyzed: 08/29/2009 (9H29037-BLK1)</b> |        |                 |      |       |             |               |           |            |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |            |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |            |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |            |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |            |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |            |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |            |         |                 |
| Lead   | ND     | 2.0             | 0.50 | mg/kg |             |               |           |            |         |                 |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |            |         |                 |
| Nickel   | ND     | 2.0             | 0.20 | mg/kg |             |               |           |            |         |                 |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |            |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |            |         |                 |
| Thallium   | ND     | 10              | 0.80 | mg/kg |             |               |           |            |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Zinc   | ND     | 5.0             | 0.75 | mg/kg |             |               |           |            |         |                 |
| <b>LCS Analyzed: 08/29/2009 (9H29037-BS1)</b>    |        |                 |      |       |             |               |           |            |         |                 |
| Antimony   | 49.5   | 10              | 0.88 | mg/kg | 50.0        |               | 99        | 80-120     |         |                 |
| Arsenic  | 47.9   | 2.0             | 0.81 | mg/kg | 50.0        |               | 96        | 80-120     |         |                 |
| Barium   | 50.6   | 1.0             | 0.80 | mg/kg | 50.0        |               | 101       | 80-120     |         |                 |
| Beryllium  | 50.2   | 0.50            | 0.20 | mg/kg | 50.0        |               | 100       | 80-120     |         |                 |
| Cadmium  | 48.5   | 0.50            | 0.20 | mg/kg | 50.0        |               | 97        | 80-120     |         |                 |
| Chromium   | 50.3   | 1.0             | 0.30 | mg/kg | 50.0        |               | 101       | 80-120     |         |                 |
| Cobalt   | 48.8   | 1.0             | 0.30 | mg/kg | 50.0        |               | 98        | 80-120     |         |                 |
| Copper   | 50.2   | 2.0             | 0.38 | mg/kg | 50.0        |               | 100       | 80-120     |         |                 |
| Lead   | 50.6   | 2.0             | 0.50 | mg/kg | 50.0        |               | 101       | 80-120     |         |                 |
| Molybdenum                                       | 48.1   | 2.0             | 0.20 | mg/kg | 50.0        |               | 96        | 80-120     |         |                 |
| Nickel   | 48.3   | 2.0             | 0.20 | mg/kg | 50.0        |               | 97        | 80-120     |         |                 |
| Selenium   | 46.2   | 2.0             | 1.0  | mg/kg | 50.0        |               | 92        | 80-120     |         |                 |
| Silver   | 24.9   | 1.0             | 0.80 | mg/kg | 25.0        |               | 100       | 80-120     |         |                 |
| Thallium   | 49.7   | 10              | 0.80 | mg/kg | 50.0        |               | 99        | 80-120     |         |                 |
| Vanadium   | 50.4   | 1.0             | 0.30 | mg/kg | 50.0        |               | 101       | 80-120     |         |                 |
| Zinc   | 48.3   | 5.0             | 0.75 | mg/kg | 50.0        |               | 97        | 80-120     |         |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9H29037 Extracted: 08/29/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 08/29/2009 (9H29037-MS1)</b>      |        |                 |      |       |             | <b>Source: ISH1962-01</b> |           |             |     |           |                 |
| Antimony  | 27.3   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 55        | 75-125      |     |           | M2              |
| Arsenic   | 50.4   | 2.0             | 0.81 | mg/kg | 50.0        | 3.01                      | 95        | 75-125      |     |           |                 |
| Barium  | 72.0   | 1.0             | 0.80 | mg/kg | 50.0        | 17.7                      | 109       | 75-125      |     |           |                 |
| Beryllium   | 51.6   | 0.50            | 0.20 | mg/kg | 50.0        | 0.769                     | 102       | 75-125      |     |           |                 |
| Cadmium   | 48.4   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 97        | 75-125      |     |           |                 |
| Chromium  | 55.6   | 1.0             | 0.30 | mg/kg | 50.0        | 6.28                      | 99        | 75-125      |     |           |                 |
| Cobalt  | 51.1   | 1.0             | 0.30 | mg/kg | 50.0        | 2.81                      | 97        | 75-125      |     |           |                 |
| Copper  | 54.1   | 2.0             | 0.38 | mg/kg | 50.0        | 3.37                      | 101       | 75-125      |     |           |                 |
| Lead  | 54.1   | 2.0             | 0.50 | mg/kg | 50.0        | 4.50                      | 99        | 75-125      |     |           |                 |
| Molybdenum  | 46.9   | 2.0             | 0.20 | mg/kg | 50.0        | 0.238                     | 93        | 75-125      |     |           |                 |
| Nickel  | 51.2   | 2.0             | 0.20 | mg/kg | 50.0        | 3.83                      | 95        | 75-125      |     |           |                 |
| Selenium  | 45.8   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 92        | 75-125      |     |           |                 |
| Silver  | 25.4   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 101       | 75-125      |     |           |                 |
| Thallium  | 49.0   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 98        | 75-125      |     |           |                 |
| Vanadium  | 63.9   | 1.0             | 0.30 | mg/kg | 50.0        | 15.9                      | 96        | 75-125      |     |           |                 |
| Zinc  | 68.9   | 5.0             | 0.75 | mg/kg | 50.0        | 21.1                      | 96        | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/29/2009 (9H29037-MSD1)</b> |        |                 |      |       |             | <b>Source: ISH1962-01</b> |           |             |     |           |                 |
| Antimony  | 32.6   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 65        | 75-125      | 17  | 20        | M2              |
| Arsenic   | 49.8   | 2.0             | 0.81 | mg/kg | 50.0        | 3.01                      | 94        | 75-125      | 1   | 20        |                 |
| Barium  | 66.8   | 1.0             | 0.80 | mg/kg | 50.0        | 17.7                      | 98        | 75-125      | 8   | 20        |                 |
| Beryllium   | 50.0   | 0.50            | 0.20 | mg/kg | 50.0        | 0.769                     | 99        | 75-125      | 3   | 20        |                 |
| Cadmium   | 47.0   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 94        | 75-125      | 3   | 20        |                 |
| Chromium  | 55.0   | 1.0             | 0.30 | mg/kg | 50.0        | 6.28                      | 98        | 75-125      | 1   | 20        |                 |
| Cobalt  | 49.9   | 1.0             | 0.30 | mg/kg | 50.0        | 2.81                      | 94        | 75-125      | 2   | 20        |                 |
| Copper  | 52.9   | 2.0             | 0.38 | mg/kg | 50.0        | 3.37                      | 99        | 75-125      | 2   | 20        |                 |
| Lead  | 53.4   | 2.0             | 0.50 | mg/kg | 50.0        | 4.50                      | 98        | 75-125      | 1   | 20        |                 |
| Molybdenum  | 46.8   | 2.0             | 0.20 | mg/kg | 50.0        | 0.238                     | 93        | 75-125      | 0   | 20        |                 |
| Nickel  | 50.6   | 2.0             | 0.20 | mg/kg | 50.0        | 3.83                      | 93        | 75-125      | 1   | 20        |                 |
| Selenium  | 45.5   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 91        | 75-125      | 1   | 20        |                 |
| Silver  | 24.7   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 99        | 75-125      | 3   | 20        |                 |
| Thallium  | 48.4   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 97        | 75-125      | 1   | 20        |                 |
| Vanadium  | 64.1   | 1.0             | 0.30 | mg/kg | 50.0        | 15.9                      | 97        | 75-125      | 0   | 20        |                 |
| Zinc  | 68.6   | 5.0             | 0.75 | mg/kg | 50.0        | 21.1                      | 95        | 75-125      | 1   | 20        |                 |

#### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
 ELV-1C  
 Report Number: ISH2198

Sampled: 08/24/09  
 Received: 08/24/09

## METHOD BLANK/QC DATA

### STLC METALS

| Analyte   | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I05053 Extracted: 09/05/09</b>                   |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 09/05/2009 (9I05053-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | ND     | 0.10            | 0.080 | mg/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 09/05/2009 (9I05053-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | 19.4   | 0.10            | 0.080 | mg/l  | 20.0        |                           | 97   | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/05/2009 (9I05053-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISH1213-03</b> |      |             |     |           |                 |
| Lead  | 20.2   | 0.10            | 0.080 | mg/l  | 20.0        | 1.26                      | 95   | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/05/2009 (9I05053-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISH1213-03</b> |      |             |     |           |                 |
| Lead  | 20.6   | 0.10            | 0.080 | mg/l  | 20.0        | 1.26                      | 97   | 75-125      | 2   | 20        |                 |

TestAmerica Irvine

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 Project Manager



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Project ID: ISRA HV Waste Characterization  
 ELV-1C  
 Report Number: ISH2198

Sampled: 08/24/09  
 Received: 08/24/09

## METHOD BLANK/QC DATA

### SW846 7471A

| Analyte  | Result | Reporting Limit | MDL    | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9239448 Extracted: 08/28/09</b>                    |        |                 |        |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 08/28/2009 (D9H270000448B)</b>            |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | ND     | 0.033           | 0.0055 | mg/kg |             |                           |      | -           |     |           |                 |
| <b>LCS Analyzed: 08/28/2009 (D9H270000448C)</b>              |        |                 |        |       |             | <b>Source:</b>            |      |             |     |           |                 |
| Mercury  | 0.422  | 0.033           | 0.0055 | mg/kg | 0.417       |                           | 101  | 87-111      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 08/28/2009 (D9H270252001D)</b> |        |                 |        |       |             | <b>Source: ISH2198-01</b> |      |             |     |           |                 |
| Mercury  | 0.515  | 0.033           | 0.0055 | mg/kg | 0.417       | 0.028                     | 117  | 87-111      | 12  | 20        | N               |
| <b>Matrix Spike Analyzed: 08/28/2009 (D9H270252001S)</b>     |        |                 |        |       |             | <b>Source: ISH2198-01</b> |      |             |     |           |                 |
| Mercury  | 0.458  | 0.033           | 0.0055 | mg/kg | 0.417       | 0.028                     | 103  | 87-111      | 12  | 20        |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

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

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## 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.
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- N** Spike sample recovery is outside control limits.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISH2198 <Page 17 of 18>**

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

Project ID: ISRA HV Waste Characterization  
ELV-1C  
Report Number: ISH2198

Sampled: 08/24/09  
Received: 08/24/09

## Certification Summary

### TestAmerica Irvine

| Method     | Matrix | Nelac | California |
|------------|--------|-------|------------|
| 6010B-STLC | Soil   | X     | X          |
| EPA 6010B  | Soil   | X     | X          |
| STLC-Met   | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: SW846 7471A

Samples: ISH2198-01, ISH2198-02, ISH2198-03, ISH2198-04, ISH2198-05, ISH2198-06, ISH2198-07,  
ISH2198-08

### TestAmerica Irvine

Joseph Doak  
Project Manager

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**Chain of Custody Record**

IRVINE  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

**TestAmerica Laboratories, Inc.**  
COC No: 8-24-09 Date: 8-24-09  
Job No: DH2198 of 1 COCs  
SDG No: PCB (8082)  
Sample Specific Notes: MS, 3/26/08, 00:20

Project Manager: MMMB Site Contact: Shelby Valenzuela Date: 8-24-09  
Tel/Fax: 818-466-8779 (818-466-4873) Lab Contact: Joe Doak Carrier: Test America  
Analysis Turnaround Time: 5 days  
TAT if different from Below: MMMB 2 weeks   
1 week   
2 days   
1 day

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Sample Specific Notes |
|-----------------------|-------------|-------------|-------------|--------|------------|-----------------------|
| ISWC0096 S001         | 8-24-09     | 10:07       | soil        | soil   | 2          | MS, 3/26/08, 00:20    |
| ISWC0097 S001         |             | 10:25       |             |        | 2          |                       |
| ISWC0098 S001         |             | 10:30       |             |        | 2          |                       |
| ISWC0099 S001         |             | 10:59       |             |        | 2          |                       |
| ISWC0100 S001         |             | 11:21       |             |        | 2          |                       |
| ISWC0101 S001         |             | 11:41       |             |        | 2          |                       |
| ISWC0102 S001         |             | 11:55       |             |        | 2          |                       |
| ISWC0103 S001         |             | 12:09       |             |        | 2          |                       |

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other  
Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):  Return To Client  Disposal By Lab  Archive For 6 Months

Relinquished by: Margaret L. Widmer-Barris Date/Time: 8-24-09 15:00  
Relinquished by: Test America Date/Time: 8-24-09 17:00  
Relinquished by: Test America Date/Time: 8/24/09 1700

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT


MWH – Pasadena/Boeing

Lot D9H270252

Project ISH2198

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.



DiLea Griego  
Project Manager

August 31, 2009

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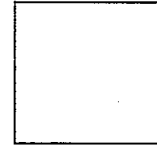
## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for eight samples received at the TestAmerica Laboratory in Denver on August 27, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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## Quality Control Summary for Lot D9H270252

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 2.5°C.

### Total Metals- Method 7471A

MS/MSD analyses were performed on sample ISH2198-01. The MSD exhibited spike compound recoveries outside the QC control limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

## EXECUTIVE SUMMARY - Detection Highlights

D9H270252

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISH2198-01 08/24/09 10:07 001 |               |                            |              |                              |
| Mercury                       | 0.028 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-02 08/24/09 10:25 002 |               |                            |              |                              |
| Mercury                       | 0.032 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-03 08/24/09 10:38 003 |               |                            |              |                              |
| Mercury                       | 0.018 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-04 08/24/09 10:59 004 |               |                            |              |                              |
| Mercury                       | 0.0079 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-05 08/24/09 11:21 005 |               |                            |              |                              |
| Mercury                       | 0.019 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-06 08/24/09 11:41 006 |               |                            |              |                              |
| Mercury                       | 0.022 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-07 08/24/09 11:55 007 |               |                            |              |                              |
| Mercury                       | 0.0089 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISH2198-08 08/24/09 12:09 008 |               |                            |              |                              |
| Mercury                       | 0.0090 J      | 0.033                      | mg/kg        | SW846 7471A                  |



# METHODS SUMMARY

D9H270252

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# METHOD / ANALYST SUMMARY

D9H270252

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>       | <u>ANALYST<br/>ID</u> |
|------------------------------|----------------------|-----------------------|
| SW846 7471A                  | Christopher Grisdale | 9582                  |

**References:**

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9H270252

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| LJWTFJ      | 001            | ISH2198-01              | 08/24/09            | 10:07            |
| LJWTFM      | 002            | ISH2198-02              | 08/24/09            | 10:25            |
| LJWTFN      | 003            | ISH2198-03              | 08/24/09            | 10:38            |
| LJWTFQ      | 004            | ISH2198-04              | 08/24/09            | 10:59            |
| LJWTFR      | 005            | ISH2198-05              | 08/24/09            | 11:21            |
| LJWTFP      | 006            | ISH2198-06              | 08/24/09            | 11:41            |
| LJWTFX      | 007            | ISH2198-07              | 08/24/09            | 11:55            |
| LJWTF0      | 008            | ISH2198-08              | 08/24/09            | 12:09            |

## NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ISH2198-01

TOTAL Metals

Lot-Sample #...: D9H270252-001

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:07 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9239448 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.028 J       | 0.033                      | mg/kg        | SW846 7471A             | 08/28/09                              | LJWJ1AA                 |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 12:18 | MDL.....: 0.0055                      |                         |

NOTE(S):

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-02

TOTAL Metals

Lot-Sample #...: D9H270252-002

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:25 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9239448 |               |                    |              |                         |                      |                |
| Mercury                  | 0.032 J       | 0.033              | mg/kg        | SW846 7471A             | 08/28/09             | LJWTL1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 12:34 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-03

TOTAL Metals

Lot-Sample #...: D9H270252-003

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:38 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9239448 |               |                    |              |                         |                      |                |
| Mercury                  | 0.018 J       | 0.033              | mg/kg        | SW846 7471A             | 08/28/09             | LJWTP1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 12:37 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-04

TOTAL Metals

Lot-Sample #...: D9H270252-004

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:59 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9239448 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0079 J      | 0.033              | mg/kg        | SW846 7471A             | 08/28/09             | LJWQ1AA        |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 12:39 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-05

TOTAL Metals

Lot-Sample #...: D9H270252-005

Matrix.....: SOLID

Date Sampled...: 08/24/09 11:21 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9239448 |               |                    |              |                         |                      |                |
| Mercury                  | 0.019 J       | 0.033              | mg/kg        | SW846 7471A             | 08/28/09             | LJWTR1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 12:41 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.



TestAmerica Irvine

Client Sample ID: ISH2198-06

TOTAL Metals

Lot-Sample #...: D9H270252-006

Matrix.....: SOLID

Date Sampled...: 08/24/09 11:41 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9239448 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.022 J       | 0.033                      | mg/kg        | SW846 7471A             | 08/28/09                              | LJWTT1AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 12:43 | MDL.....: 0.0055                      |                         |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-07

TOTAL Metals

Lot-Sample #...: D9H270252-007

Matrix.....: SOLID

Date Sampled...: 08/24/09 11:55 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------|---------------|----------------------------------|--------------|-------------------------|---|-------------------------------|
| Prep Batch #...: 9239448 |               |                                  |              |                         |   |                               |
| Mercury                  | 0.0089 J      | 0.033                            | mg/kg        | SW846 7471A             | 08/28/09                                    | LJWTK1AA                      |
|                          |               | Dilution Factor: 1               |              | Analysis Time...: 12:46 | MDL.....: 0.0055                            |                               |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISH2198-08

TOTAL Metals

Lot-Sample #...: D9H270252-008

Matrix.....: SOLID

Date Sampled...: 08/24/09 12:09 Date Received...: 08/27/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u>           | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK<br/>ORDER #</u> |
|--------------------------|---------------|----------------------------|--------------|-------------------------|---------------------------------------|-------------------------|
| Prep Batch #...: 9239448 |               |                            |              |                         |                                       |                         |
| Mercury                  | 0.0090 J      | 0.033                      | mg/kg        | SW846 7471A             | 08/28/09                              | LJWP01AA                |
|                          |               | Dilution Factor: 1         |              | Analysis Time...: 12:48 | MDL.....: 0.0055                      |                         |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

# QC DATA ASSOCIATION SUMMARY

D9H270252

Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 002            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 003            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 004            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 005            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 006            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 007            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |
| 008            | SOLID         | SW846 7471A                  |                          | 9239448                 | 9239337        |

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9H270252

Matrix.....: SOLID

| <u>PARAMETER</u>               | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------------|---------------|----------------------------------|--------------|---------------|---|-------------------------------|
| MB Lot-Sample #: D9H270000-448 |               | Prep Batch #...: 9239448         |              |               |   |                               |
| Mercury                        | ND            | 0.033                            | mg/kg        | SW846 7471A   | 08/28/09                                    | LJXEK1AA                      |
|                                |               | Dilution Factor: 1               |              |               |   |                               |
|                                |               | Analysis Time...: 12:13          |              |               |   |                               |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H270252

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|
| LCS Lot-Sample#: | D9H270000-448               | Prep Batch #...:           | 9239448       |                                       |                     |
| Mercury          | 101                         | (87 - 111)                 | SW846 7471A   | 08/28/09                              | LJXEK1AC            |
|                  |                             | Dilution Factor: 1         |               | Analysis Time...: 12:16               |                     |

**NOTE(S) :**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9H270252

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCNT</u><br><u>RECVRY</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|

LCS Lot-Sample#: D9H270000-448 Prep Batch #...: 9239448

|         |       |       |       |     |             |          |          |
|---------|-------|-------|-------|-----|-------------|----------|----------|
| Mercury | 0.417 | 0.422 | mg/kg | 101 | SW846 7471A | 08/28/09 | LJXEK1AC |
|---------|-------|-------|-------|-----|-------------|----------|----------|

Dilution Factor: 1

Analysis Time...: 12:16

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9H270252

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:07 Date Received...: 08/27/09

| <u>PARAMETER</u> | <u>PERCENT</u><br><u>RECOVERY</u> | <u>RECOVERY</u><br><u>LIMITS</u> | <u>RPD</u><br><u>RPD</u> | <u>RPD</u><br><u>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-----------------------------------|----------------------------------|--------------------------|-----------------------------|---------------|---|-------------------------------|
|------------------|-----------------------------------|----------------------------------|--------------------------|-----------------------------|---------------|---|-------------------------------|

MS Lot-Sample #: D9H270252-001 Prep Batch #...: 9239448

|         |       |            |    |        |             |          |          |
|---------|-------|------------|----|--------|-------------|----------|----------|
| Mercury | 103   | (87 - 111) |    |        | SW846 7471A | 08/28/09 | LJWUJ1AC |
|         | 117 N | (87 - 111) | 12 | (0-20) | SW846 7471A | 08/28/09 | LJWUJ1AD |

Dilution Factor: 1

Analysis Time...: 12:20

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.



MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: D9H270252

Matrix.....: SOLID

Date Sampled...: 08/24/09 10:07 Date Received...: 08/27/09

| <u>PARAMETER</u> | <u>AMOUNT</u> | <u>SPIKE</u>  | <u>MEASRD</u> | <u>PERCNT</u> | <u>PREPARATION-</u> | <u>WORK</u>   |                      |                |
|------------------|---------------|---------------|---------------|---------------|---------------------|---------------|----------------------|----------------|
| <u>AMOUNT</u>    | <u>AMT</u>    | <u>AMOUNT</u> | <u>UNITS</u>  | <u>RECVRY</u> | <u>RPD</u>          | <u>METHOD</u> | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |

MS Lot-Sample #: D9H270252-001 Prep Batch #....: 9239448

Mercury

|       |       |       |         |     |    |             |          |          |
|-------|-------|-------|---------|-----|----|-------------|----------|----------|
| 0.028 | 0.417 | 0.458 | mg/kg   | 103 |    | SW846 7471A | 08/28/09 | LJWUJ1AC |
| 0.028 | 0.417 | 0.515 | N mg/kg | 117 | 12 | SW846 7471A | 08/28/09 | LJWUJ1AD |

Dilution Factor: 1

Analysis Time...: 12:20

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

*TestAmerica Denver*  
**Sample Receiving Checklist**

Lot #: D9H270252 Date/Time Received: 8/27/9 0845  
 Company Name & Sampling Site: TA IRVINE - BOEING

PM to Complete This Section: Yes *No*  
 Residual chlorine check required:  *Yes*  *No* Quarantined:  *Yes*  *No*

Quote #: 72743

Special Instructions:

Time Zone:  
 EDT/EST •  CDT/CST •  MDT/MST •  PDT/PST •  OTHER

**Unpacking Checks:**

Cooler #(s): \_\_\_\_\_

Temperatures (°C): 2.5° \_\_\_\_\_

N/A Yes No

*Initials*

- 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR. AB
- 2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes:  No: \_\_\_\_\_
- 3. Chain of custody present? If no, document on CUR.
- 4. Bottles broken and/or are leaking? If yes, document on CUR.
- 5. Multiphasic samples obvious? If yes, document on CUR.
- 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.
- 7. pH of all samples checked and meet requirements? If no, document on CUR.
- 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.
- 10. Were VOA samples without headspace? If no, document on CUR.
- 11. Were VOA vials preserved? Preservative  HCl  4±2°C  Sodium Thiosulfate  Ascorbic Acid
- 12. Did samples require preservation with sodium thiosulfate?
- 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.
- 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.
- 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.
- 17. Are analyses with short holding times requested?
- 18. Was a quick Turn Around (TAT) requested?

TestAmerica Denver  
Sample Receiving Checklist

Lot # D9H270252

Login Checks:

Initials  
AG

N/A Yes No

- 19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.
- 20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
- 21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
- 22. Were special log in instructions read and followed?
- 23. Were AFCEE metals logged for refrigerated storage?
- 24. Were tests logged checked against the COC? Which samples were confirmed? All
- 25. Was a Rush form completed for quick TAT?
- 26. Was a Short Hold form completed for any short holds?
- 27. Were special archiving instructions indicated in the General Comments? If so, what were they?

Labeling and Storage Checks:

Initials  
LL

- 28. Was the subcontract COC signed and sent with samples to bottle prep?
- 29. Were sample labels double-checked by a second person?
- 30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
- 31. Did the sample ID, Date, and Time from label match what was logged?
- 32. Were stickers for special archiving instructions affixed to each box? See #27
- 33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

2.51P2AB  
LM 8/27/09

**SUBCONTRACT ORDER**

TestAmerica Irvine

**ISH2198**

SENDING LABORATORY:

TestAmerica Irvine  
17461 Derian Avenue. Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: The Boeing Company-SSFL

RECEIVING LABORATORY:

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone: (303) 736-0100  
Fax: (303) 431-7171  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

| Analysis  | Units | Due      | Expires        | Interlab Price | Surch | Comments                     |
|---|-------|----------|----------------|----------------|-------|------------------------------|
| <b>Sample ID: ISH2198-01</b> <b>Soil</b> <b>Sampled: 08/24/09 10:07</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 10:07 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |
| <b>Sample ID: ISH2198-02</b> <b>Soil</b> <b>Sampled: 08/24/09 10:25</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 10:25 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |
| <b>Sample ID: ISH2198-03</b> <b>Soil</b> <b>Sampled: 08/24/09 10:38</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 10:38 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |
| <b>Sample ID: ISH2198-04</b> <b>Soil</b> <b>Sampled: 08/24/09 10:59</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 10:59 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |
| <b>Sample ID: ISH2198-05</b> <b>Soil</b> <b>Sampled: 08/24/09 11:21</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 11:21 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |
| <b>Sample ID: ISH2198-06</b> <b>Soil</b> <b>Sampled: 08/24/09 11:41</b> |       |          |                |                |       |                              |
| Mercury-7470/7471-OUT   | mg/kg | 08/31/09 | 09/21/09 11:41 | \$35.00        | 25%   | J Flags/Boeing/sub to denver |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |                              |

*Margaret Sales* 8/26/09 17:00  
Released By      Date/Time

*FedEx* 8/26/09 17:00  
Received By      Date/Time

Released By      Date/Time

*A. Green* 8/27/09 0845  
Received By      Date/Time

SUBCONTRACT ORDER

TestAmerica Irvine

ISH2198

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| Analysis | Units | Due | Expires | Interlab Price | Surch | Comments |
|----------|-------|-----|---------|----------------|-------|----------|
|----------|-------|-----|---------|----------------|-------|----------|

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|                              |             |  |  |  |  |                                |
|------------------------------|-------------|--|--|--|--|--------------------------------|
| <b>Sample ID: ISH2198-07</b> | <b>Soil</b> |  |  |  |  | <b>Sampled: 08/24/09 11:55</b> |
|------------------------------|-------------|--|--|--|--|--------------------------------|

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|                       |       |          |                |         |     |                              |
|-----------------------|-------|----------|----------------|---------|-----|------------------------------|
| Mercury-7470/7471-OUT | mg/kg | 08/31/09 | 09/21/09 11:55 | \$35.00 | 25% | J Flags/Boeing/sub to denver |
|-----------------------|-------|----------|----------------|---------|-----|------------------------------|

*Containers Supplied:*

2 oz Jar (C)

---

|                              |             |  |  |  |  |                                |
|------------------------------|-------------|--|--|--|--|--------------------------------|
| <b>Sample ID: ISH2198-08</b> | <b>Soil</b> |  |  |  |  | <b>Sampled: 08/24/09 12:09</b> |
|------------------------------|-------------|--|--|--|--|--------------------------------|

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|                       |       |          |                |         |     |                              |
|-----------------------|-------|----------|----------------|---------|-----|------------------------------|
| Mercury-7470/7471-OUT | mg/kg | 08/31/09 | 09/21/09 12:09 | \$35.00 | 25% | J Flags/Boeing/sub to denver |
|-----------------------|-------|----------|----------------|---------|-----|------------------------------|

*Containers Supplied:*

2 oz Jar (C)

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## LABORATORY REPORT

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

Project: 2009 ISRA Waste  
Characterization - Outfall 009

Sampled: 09/03/09  
Received: 09/04/09  
Issued: 09/25/09 14:11

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.*

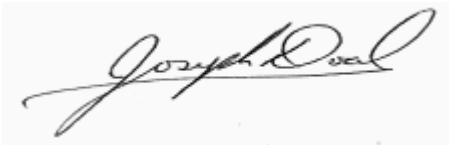
*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

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

| LABORATORY ID | CLIENT ID    | MATRIX |
|---------------|--------------|--------|
| ISI0508-01    | ISWC0104S001 | Soil   |
| ISI0508-02    | ISWC0105S001 | Soil   |
| ISI0508-03    | ISWC0106S001 | Soil   |
| ISI0508-04    | ISWC0107S001 | Soil   |
| ISI0508-05    | ISWC0108S001 | Soil   |
| ISI0508-06    | ISWC0109S001 | Soil   |
| ISI0508-07    | ISWC0110S001 | Soil   |
| ISI0508-08    | ISWC0111S001 | Soil   |

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## EXTRACTABLE FUEL HYDROCARBONS (EPA 3545/8015B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 15            | 1               | 09/10/09       | 09/11/09      |                 |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 39            | 1               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 3.5       | 5.0             | 54            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 106 %         |                 |                |               |                 |
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 4.6           | 1               | 09/10/09       | 09/11/09      | J               |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 18            | 1               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 3.5       | 5.0             | 22            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 104 %         |                 |                |               |                 |
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 3.9           | 1               | 09/10/09       | 09/11/09      | J               |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 9.7           | 1               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 3.5       | 5.0             | 14            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 93 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 10            | 1               | 09/10/09       | 09/11/09      |                 |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 38            | 1               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 3.5       | 5.0             | 48            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 100 %         |                 |                |               |                 |
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 9.3           | 1               | 09/10/09       | 09/11/09      |                 |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 3.5       | 5.0             | 36            | 1               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 3.5       | 5.0             | 46            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 92 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-06 (ISWC0109S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| DRO (C10-C24)                                      | EPA 8015B | 9I10092 | 7.0       | 10              | 34            | 2               | 09/10/09       | 09/11/09      |                 |
| ORO (C25-C40)                                      | EPA 8015B | 9I10092 | 7.0       | 10              | 120           | 2               | 09/10/09       | 09/11/09      |                 |
| EFH (C10 - C40)                                    | EPA 8015B | 9I10092 | 7.0       | 10              | 150           | 2               | 09/10/09       | 09/11/09      |                 |
| Surrogate: n-Octacosane (40-125%)                  |           |         |           |                 | 122 %         |                 |                |               |                 |

### TestAmerica Irvine

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 Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
 Received: 09/04/09

## EXTRACTABLE FUEL HYDROCARBONS (EPA 3545/8015B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| <b>DRO (C10-C24)</b>                               | EPA 8015B | 9I10092 | 7.0       | 10              | <b>22</b>     | 2               | 09/10/09       | 09/11/09      |                 |
| <b>ORO (C25-C40)</b>                               | EPA 8015B | 9I10092 | 7.0       | 10              | <b>100</b>    | 2               | 09/10/09       | 09/11/09      |                 |
| <b>EFH (C10 - C40)</b>                             | EPA 8015B | 9I10092 | 7.0       | 10              | <b>120</b>    | 2               | 09/10/09       | 09/11/09      |                 |
| <i>Surrogate: n-Octacosane (40-125%)</i>           |           |         |           |                 | <i>118 %</i>  |                 |                |               |                 |
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| <b>DRO (C10-C24)</b>                               | EPA 8015B | 9I10092 | 7.0       | 10              | <b>27</b>     | 2               | 09/10/09       | 09/11/09      |                 |
| <b>ORO (C25-C40)</b>                               | EPA 8015B | 9I10092 | 7.0       | 10              | <b>93</b>     | 2               | 09/10/09       | 09/11/09      |                 |
| <b>EFH (C10 - C40)</b>                             | EPA 8015B | 9I10092 | 7.0       | 10              | <b>120</b>    | 2               | 09/10/09       | 09/11/09      | M1              |
| <i>Surrogate: n-Octacosane (40-125%)</i>           |           |         |           |                 | <i>124 %</i>  |                 |                |               |                 |

TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## 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 |
|--|---------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I08099 | 0.14      | 0.37            | ND            | 0.914           | 09/08/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 67 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I09114 | 0.14      | 0.38            | ND            | 0.958           | 09/09/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 93 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I08099 | 0.14      | 0.37            | ND            | 0.936           | 09/08/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 80 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I09114 | 0.14      | 0.38            | ND            | 0.943           | 09/09/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 81 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I08099 | 0.14      | 0.37            | ND            | 0.936           | 09/08/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 84 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-06 (ISWC0109S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I09114 | 0.15      | 0.39            | ND            | 0.973           | 09/09/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 55 %          | Z               |                |               |                 |
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I09114 | 0.14      | 0.37            | ND            | 0.929           | 09/09/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 36 %          | Z               |                |               |                 |
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil)</b> |               |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |               |         |           |                 |               |                 |                |               |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                | EPA 8015 Mod. | 9I08099 | 0.15      | 0.39            | ND            | 0.975           | 09/08/09       | 09/09/09      |                 |
| Surrogate: 4-BFB (FID) (65-140%)                   |               |         |           |                 | 83 %          |                 |                |               |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I11112 | 8.0       | 9.9             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Benzene  | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I11112 | 0.83      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1, R-3      |
| Bromochloromethane                                 | EPA 8260B | 9I11112 | 0.89      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Bromoform  | EPA 8260B | 9I11112 | 0.80      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I11112 | 0.91      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I11112 | 6.0       | 9.9             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I11112 | 0.72      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I11112 | 0.67      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I11112 | 0.62      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | C, I, M1, R-3   |
| Carbon Disulfide                                   | EPA 8260B | 9I11112 | 0.96      | 5.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I11112 | 0.50      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I11112 | 0.52      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I11112 | 1.5       | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Chloroform   | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I11112 | 0.99      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I11112 | 0.86      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I11112 | 0.74      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1           |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I11112 | 1.5       | 9.9             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I11112 | 0.70      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I11112 | 0.80      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I11112 | 0.89      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I11112 | 0.94      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I11112 | 0.83      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | C, I            |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I11112 | 0.93      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I11112 | 1.5       | 5.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I11112 | 0.80      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I11112 | 0.60      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I11112 | 0.83      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I11112 | 0.70      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I11112 | 0.80      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I11112 | 0.63      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I11112 | 0.60      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I11112 | 0.44      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I11112 | 0.61      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I11112 | 0.40      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I11112 | 0.80      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I, C            |
| 2-Hexanone   | EPA 8260B | 9I11112 | 9.0       | 9.9             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I11112 | 0.54      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1           |
| p-Isopropyltoluene   | EPA 8260B | 9I11112 | 0.72      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | C, I            |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I11112 | 4.5       | 5.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Methylene chloride   | EPA 8260B | 9I11112 | 6.5       | 9.9             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Naphthalene  | EPA 8260B | 9I11112 | 1.1       | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I11112 | 0.61      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1           |
| Styrene  | EPA 8260B | 9I11112 | 0.58      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I11112 | 0.57      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I11112 | 0.85      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I11112 | 0.49      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Toluene  | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I11112 | 0.99      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | C, I, M2, R-3   |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I11112 | 0.99      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M2           |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I11112 | 0.70      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I11112 | 0.86      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Trichloroethene  | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I11112 | 0.54      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I11112 | 0.99      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | M1, I           |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I11112 | 0.78      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1, R-3      |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I11112 | 0.63      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      | I, M1           |
| Vinyl acetate  | EPA 8260B | 9I11112 | 2.5       | 5.0             | ND            | 0.994           | 09/11/09       | 09/11/09      | M2              |
| Vinyl chloride   | EPA 8260B | 9I11112 | 0.90      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I11112 | 0.80      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| o-Xylene   | EPA 8260B | 9I11112 | 0.50      | 0.99            | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I11112 | 0.99      | 2.0             | ND            | 0.994           | 09/11/09       | 09/11/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 |               |                 |                |               | 81 %            |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 |               |                 |                |               | 105 %           |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 |               |                 |                |               | 93 %            |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 7.8       | 9.8             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Benzene  | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.82      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.88      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.78      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.90      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 5.9       | 9.8             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.70      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.65      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.61      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.95      | 4.9             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.49      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.51      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 0.98      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.85      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.72      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 9.8             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.68      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.78      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.88      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.93      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.82      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.92      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 4.9             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.78      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.59      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.81      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.68      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.78      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.62      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.59      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.43      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.60      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.39      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.78      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I12019 | 8.9       | 9.8             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.53      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.70      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.4       | 4.9             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.3       | 9.8             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.60      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Styrene  | EPA 8260B | 9I12019 | 0.57      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.56      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.84      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.48      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Toluene  | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.98      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.98      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.68      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.85      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.53      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 0.98      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.76      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.62      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.4       | 4.9             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.89      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.78      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| o-Xylene   | EPA 8260B | 9I12019 | 0.49      | 0.98            | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 0.98      | 2.0             | ND            | 0.977           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 78 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 100 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 98 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 7.9       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Benzene  | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.83      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.89      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.91      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 5.9       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.71      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.66      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.61      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.96      | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.49      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.51      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.86      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.73      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.89      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.94      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.83      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.93      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.59      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.82      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.62      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.59      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.43      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.60      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.40      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I12019 | 9.0       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.53      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.71      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.4       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.4       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.60      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Styrene  | EPA 8260B | 9I12019 | 0.57      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.56      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.85      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.48      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Toluene  | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.86      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.53      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.77      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.62      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.5       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.90      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| o-Xylene   | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 73 %          |                 |                |               | I, Z            |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 107 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 95 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 7.8       | 9.7             | 15            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Benzene  | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.82      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.88      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.89      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 5.8       | 9.7             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.70      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.65      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.60      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.94      | 4.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.49      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.51      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.85      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.72      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 9.7             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.88      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.92      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.82      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.91      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 4.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.58      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.81      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.61      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.58      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.43      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.59      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.39      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I12019 | 8.9       | 9.7             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.53      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.70      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.4       | 4.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.3       | 9.7             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.59      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Styrene  | EPA 8260B | 9I12019 | 0.56      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.55      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.84      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Toluene  | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.85      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.53      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.76      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.61      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.4       | 4.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.89      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| o-Xylene   | EPA 8260B | 9I12019 | 0.49      | 0.97            | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.973           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 77 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 106 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 94 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISI0508 <Page 12 of 104>

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 7.8       | 9.7             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Benzene  | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.81      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.87      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.89      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 5.8       | 9.7             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.70      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.65      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.60      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.94      | 4.8             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.48      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.50      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.84      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.72      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 9.7             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.87      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.92      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.81      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.91      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 4.8             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.58      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.80      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.78      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.61      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.58      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.43      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.59      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.39      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I12019 | 8.8       | 9.7             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.52      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.70      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.4       | 4.8             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.3       | 9.7             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.59      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Styrene  | EPA 8260B | 9I12019 | 0.56      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.55      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.83      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.47      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Toluene  | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.68      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.84      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.52      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.76      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.61      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.4       | 4.8             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.88      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.78      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| o-Xylene   | EPA 8260B | 9I12019 | 0.48      | 0.97            | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 0.97      | 1.9             | ND            | 0.969           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 75 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 108 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 101 %         |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-06 (ISWC0109S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 8.0       | 10              | <b>8.8</b>    | 0.996           | 09/12/09       | 09/12/09      | J               |
| Benzene  | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.84      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.90      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.80      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.92      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 6.0       | 10              | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.72      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.67      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.62      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.97      | 5.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.50      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.52      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 1.0       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.87      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.74      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 10              | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.70      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.80      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.90      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.95      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.84      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.94      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 5.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.80      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.60      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.83      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.70      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.80      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.63      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.60      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.44      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.61      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.40      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.80      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I12019 | 9.1       | 10              | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-06 (ISWC0109S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.54      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.72      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.5       | 5.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.5       | 10              | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.61      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Styrene  | EPA 8260B | 9I12019 | 0.58      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.57      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.86      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.49      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Toluene  | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 1.0       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 1.0       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.70      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.87      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.54      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 1.0       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.78      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.63      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.5       | 5.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.91      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.80      | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| o-Xylene   | EPA 8260B | 9I12019 | 0.50      | 1.0             | ND            | 0.996           | 09/12/09       | 09/12/09      | I               |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 1.0       | 2.0             | ND            | 0.996           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 66 %          |                 |                |               | I, Z            |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 117 %         |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 90 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I14015 | 16        | 20              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Benzene  | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I14015 | 1.7       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Bromochloromethane                                 | EPA 8260B | 9I14015 | 1.8       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Bromoform  | EPA 8260B | 9I14015 | 1.6       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I14015 | 1.8       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I14015 | 12        | 20              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I14015 | 1.4       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| sec-Butylbenzene                                   | EPA 8260B | 9I14015 | 1.3       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| tert-Butylbenzene                                  | EPA 8260B | 9I14015 | 1.2       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Carbon Disulfide                                   | EPA 8260B | 9I14015 | 1.9       | 10              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I14015 | 1.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I14015 | 3.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Chloroform   | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I14015 | 2.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I14015 | 1.7       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 4-Chlorotoluene                                    | EPA 8260B | 9I14015 | 1.5       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I14015 | 3.0       | 20              | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Dibromochloromethane                               | EPA 8260B | 9I14015 | 1.4       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I14015 | 1.6       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I14015 | 1.8       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I14015 | 1.9       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I14015 | 1.7       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I14015 | 1.9       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Dichlorodifluoromethane                            | EPA 8260B | 9I14015 | 3.0       | 10              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I14015 | 1.6       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I14015 | 1.2       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I14015 | 1.7       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I14015 | 1.4       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I14015 | 1.6       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I14015 | 1.3       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I14015 | 1.2       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I14015 | 0.88      | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | L               |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I14015 | 1.2       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I14015 | 0.80      | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I14015 | 1.6       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 2-Hexanone   | EPA 8260B | 9I14015 | 18        | 20              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I14015 | 1.1       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| p-Isopropyltoluene   | EPA 8260B | 9I14015 | 1.4       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I14015 | 9.0       | 10              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Methylene chloride   | EPA 8260B | 9I14015 | 13        | 20              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| n-Propylbenzene  | EPA 8260B | 9I14015 | 1.2       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Styrene  | EPA 8260B | 9I14015 | 1.2       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I14015 | 1.1       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I14015 | 1.7       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Tetrachloroethene  | EPA 8260B | 9I14015 | 0.98      | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Toluene  | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I14015 | 2.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I14015 | 2.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I14015 | 1.4       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I14015 | 1.7       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Trichloroethene  | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I14015 | 1.1       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I14015 | 2.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I14015 | 1.6       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I14015 | 1.3       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      | I               |
| Vinyl acetate  | EPA 8260B | 9I14015 | 5.0       | 10              | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Vinyl chloride   | EPA 8260B | 9I14015 | 1.8       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I14015 | 1.6       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| o-Xylene   | EPA 8260B | 9I14015 | 1.0       | 2.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I14015 | 2.0       | 4.0             | ND            | 1.99            | 09/14/09       | 09/14/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 | 76 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 | 95 %          |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 | 96 %          |                 |                |               |                 |

### TestAmerica Irvine

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Project Manager

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 Canoga Park, CA 91304-1148  
 Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
 Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07RE1 (ISWC0110S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                 |           |         |           |                 |               |                 |                |               |                 |
| Naphthalene   | EPA 8260B | 9I15014 | 2.7       | 4.9             | ND            | 2.46            | 09/15/09       | 09/15/09      | I               |
| Surrogate: 4-Bromofluorobenzene (80-120%)                     |           |         |           |                 | 71 %          |                 |                |               | Z               |
| Surrogate: Dibromofluoromethane (80-125%)                     |           |         |           |                 | 97 %          |                 |                |               |                 |
| Surrogate: Toluene-d8 (80-120%)                               |           |         |           |                 | 94 %          |                 |                |               |                 |

**TestAmerica Irvine**

Joseph Doak  
 Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acetone  | EPA 8260B | 9I12019 | 7.9       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      | M1, R-3         |
| Benzene  | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromobenzene                                       | EPA 8260B | 9I12019 | 0.83      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromochloromethane                                 | EPA 8260B | 9I12019 | 0.89      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromodichloromethane                               | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromoform  | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Bromomethane                                       | EPA 8260B | 9I12019 | 0.91      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2-Butanone (MEK)                                   | EPA 8260B | 9I12019 | 5.9       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| n-Butylbenzene                                     | EPA 8260B | 9I12019 | 0.71      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| sec-Butylbenzene                                   | EPA 8260B | 9I12019 | 0.66      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| tert-Butylbenzene                                  | EPA 8260B | 9I12019 | 0.61      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Carbon Disulfide                                   | EPA 8260B | 9I12019 | 0.96      | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Carbon tetrachloride                               | EPA 8260B | 9I12019 | 0.49      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chlorobenzene                                      | EPA 8260B | 9I12019 | 0.51      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chloroethane                                       | EPA 8260B | 9I12019 | 1.5       | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chloroform   | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Chloromethane                                      | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.86      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 4-Chlorotoluene                                    | EPA 8260B | 9I12019 | 0.73      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dibromo-3-chloropropane                        | EPA 8260B | 9I12019 | 1.5       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Dibromochloromethane                               | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dibromoethane (EDB)                            | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Dibromomethane                                     | EPA 8260B | 9I12019 | 0.89      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.94      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.83      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8260B | 9I12019 | 0.93      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Dichlorodifluoromethane                            | EPA 8260B | 9I12019 | 1.5       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloroethane                                 | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloroethene                                 | EPA 8260B | 9I12019 | 0.59      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| cis-1,2-Dichloroethene                             | EPA 8260B | 9I12019 | 0.82      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| trans-1,2-Dichloroethene                           | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.79      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,3-Dichloropropane                                | EPA 8260B | 9I12019 | 0.62      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2,2-Dichloropropane                                | EPA 8260B | 9I12019 | 0.59      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| cis-1,3-Dichloropropene                            | EPA 8260B | 9I12019 | 0.43      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      | L, M7           |
| trans-1,3-Dichloropropene                          | EPA 8260B | 9I12019 | 0.60      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1-Dichloropropene                                | EPA 8260B | 9I12019 | 0.40      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Ethylbenzene                                       | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Hexachlorobutadiene                                | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 2-Hexanone   | EPA 8260B | 9I12019 | 9.0       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Isopropylbenzene   | EPA 8260B | 9I12019 | 0.53      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| p-Isopropyltoluene   | EPA 8260B | 9I12019 | 0.71      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 4-Methyl-2-pentanone (MIBK)                                | EPA 8260B | 9I12019 | 4.4       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Methylene chloride   | EPA 8260B | 9I12019 | 6.4       | 9.9             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Naphthalene  | EPA 8260B | 9I12019 | 1.1       | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| n-Propylbenzene  | EPA 8260B | 9I12019 | 0.60      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Styrene  | EPA 8260B | 9I12019 | 0.57      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1,1,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.56      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1,2,2-Tetrachloroethane                                  | EPA 8260B | 9I12019 | 0.85      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Tetrachloroethene  | EPA 8260B | 9I12019 | 0.48      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| <b>Toluene</b>   | EPA 8260B | 9I12019 | 0.49      | 0.99            | <b>0.77</b>   | 0.988           | 09/12/09       | 09/12/09      | J               |
| 1,2,3-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1,1-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.69      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,1,2-Trichloroethane                                      | EPA 8260B | 9I12019 | 0.86      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Trichloroethene  | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Trichlorofluoromethane                                     | EPA 8260B | 9I12019 | 0.53      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,2,3-Trichloropropane                                     | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      | M1              |
| 1,2,4-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.77      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| 1,3,5-Trimethylbenzene                                     | EPA 8260B | 9I12019 | 0.62      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Vinyl acetate  | EPA 8260B | 9I12019 | 2.5       | 4.9             | ND            | 0.988           | 09/12/09       | 09/12/09      | M2              |
| Vinyl chloride   | EPA 8260B | 9I12019 | 0.90      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| m,p-Xylenes  | EPA 8260B | 9I12019 | 0.79      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| o-Xylene   | EPA 8260B | 9I12019 | 0.49      | 0.99            | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Methyl-tert-butyl Ether (MTBE)                             | EPA 8260B | 9I12019 | 0.99      | 2.0             | ND            | 0.988           | 09/12/09       | 09/12/09      |                 |
| Surrogate: 4-Bromofluorobenzene (80-120%)                  |           |         |           |                 |               |                 |                |               | 87 %            |
| Surrogate: Dibromofluoromethane (80-125%)                  |           |         |           |                 |               |                 |                |               | 92 %            |
| Surrogate: Toluene-d8 (80-120%)                            |           |         |           |                 |               |                 |                |               | 98 %            |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzoic acid                                       | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-ethylhexyl)phthalate                         | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 | 93 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 | 79 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 | 69 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 | 83 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 | 84 %          |                 |                |               |                 |

### TestAmerica Irvine

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5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzoic acid                                       | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Bis(2-ethylhexyl)phthalate                         | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-02 (ISWC0105S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 | 91 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 | 76 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 | 67 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 | 81 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 | 83 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzoic acid                                       | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-ethylhexyl)phthalate                         | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 |               | 87 %            |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 |               | 72 %            |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 |               | 74 %            |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 |               | 65 %            |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 |               | 77 %            |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 |               | 80 %            |                |               |                 |

### TestAmerica Irvine

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzoic acid                                       | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-ethylhexyl)phthalate                         | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 | 99 %          |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 | 73 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 | 77 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 | 66 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 | 82 %          |                 |                |               |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| <b>Benzoic acid</b>                                | EPA 8270C | 9I10072 | 150       | 830             | <b>290</b>    | 0.999           | 09/10/09       | 09/12/09      | J               |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                  | EPA 8270C | 9I10072 | 90        | 330             | <b>430</b>    | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 | 113 %         |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 | 86 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 | 88 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 | 74 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 | 94 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 | 99 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-06RE1 (ISWC0109S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                         |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene  | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Acenaphthylene  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Aniline   | EPA 8270C | 9I14086 | 85        | 420             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Anthracene  | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzidine   | EPA 8270C | 9I14086 | 660       | 660             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzo(a)anthracene                                    | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzo(a)pyrene  | EPA 8270C | 9I14086 | 55        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzo(b)fluoranthene                                  | EPA 8270C | 9I14086 | 50        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzo(g,h,i)perylene                                  | EPA 8270C | 9I14086 | 110       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Benzo(k)fluoranthene                                  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| <b>Benzoic acid</b>                                   | EPA 8270C | 9I14086 | 150       | 830             | <b>320</b>    | 1               | 09/14/09       | 09/14/09      | J               |
| Benzyl alcohol  | EPA 8270C | 9I14086 | 200       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Bromophenyl phenyl ether                            | EPA 8270C | 9I14086 | 75        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Butyl benzyl phthalate                                | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Chloro-3-methylphenol                               | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Chloroaniline                                       | EPA 8270C | 9I14086 | 120       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Bis(2-chloroethoxy)methane                            | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Bis(2-chloroethyl)ether                               | EPA 8270C | 9I14086 | 60        | 170             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Bis(2-chloroisopropyl)ether                           | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Bis(2-ethylhexyl)phthalate                            | EPA 8270C | 9I14086 | 90        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Chloronaphthalene                                   | EPA 8270C | 9I14086 | 65        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Chlorophenol  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Chlorophenyl phenyl ether                           | EPA 8270C | 9I14086 | 85        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Chrysene  | EPA 8270C | 9I14086 | 75        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Dibenz(a,h)anthracene                                 | EPA 8270C | 9I14086 | 100       | 420             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Dibenzofuran  | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Di-n-butyl phthalate                                  | EPA 8270C | 9I14086 | 90        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 1,2-Dichlorobenzene                                   | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 1,3-Dichlorobenzene                                   | EPA 8270C | 9I14086 | 90        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 1,4-Dichlorobenzene                                   | EPA 8270C | 9I14086 | 65        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 3,3'-Dichlorobenzidine                                | EPA 8270C | 9I14086 | 150       | 830             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4-Dichlorophenol                                    | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Diethyl phthalate                                     | EPA 8270C | 9I14086 | 95        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4-Dimethylphenol                                    | EPA 8270C | 9I14086 | 100       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Dimethyl phthalate                                    | EPA 8270C | 9I14086 | 65        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4,6-Dinitro-2-methylphenol                            | EPA 8270C | 9I14086 | 110       | 420             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4-Dinitrophenol                                     | EPA 8270C | 9I14086 | 110       | 660             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4-Dinitrotoluene                                    | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,6-Dinitrotoluene                                    | EPA 8270C | 9I14086 | 95        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Di-n-octyl phthalate                                  | EPA 8270C | 9I14086 | 90        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                      | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |

### TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-06RE1 (ISWC0109S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                                 |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Fluorene  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Hexachlorobenzene   | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Hexachlorobutadiene   | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Hexachlorocyclopentadiene                                     | EPA 8270C | 9I14086 | 90        | 830             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Hexachloroethane  | EPA 8270C | 9I14086 | 65        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Indeno(1,2,3-cd)pyrene  | EPA 8270C | 9I14086 | 130       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Isophorone  | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Methylnaphthalene   | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Methylphenol  | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Methylphenol  | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Naphthalene   | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Nitroaniline  | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 3-Nitroaniline  | EPA 8270C | 9I14086 | 75        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Nitroaniline  | EPA 8270C | 9I14086 | 90        | 830             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Nitrobenzene  | EPA 8270C | 9I14086 | 70        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2-Nitrophenol   | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 4-Nitrophenol   | EPA 8270C | 9I14086 | 140       | 830             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| N-Nitroso-di-n-propylamine                                    | EPA 8270C | 9I14086 | 70        | 250             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| N-Nitrosodimethylamine  | EPA 8270C | 9I14086 | 55        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| N-Nitrosodiphenylamine  | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Pentachlorophenol   | EPA 8270C | 9I14086 | 150       | 830             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Phenanthrene  | EPA 8270C | 9I14086 | 60        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Phenol  | EPA 8270C | 9I14086 | 90        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| Pyrene  | EPA 8270C | 9I14086 | 80        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 1,2,4-Trichlorobenzene  | EPA 8270C | 9I14086 | 50        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4,5-Trichlorophenol   | EPA 8270C | 9I14086 | 130       | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |
| 2,4,6-Trichlorophenol   | EPA 8270C | 9I14086 | 75        | 330             | ND            | 1               | 09/14/09       | 09/14/09      |                 |

Surrogate: 2,4,6-Tribromophenol (35-125%)

97 %

Surrogate: 2-Fluorobiphenyl (35-120%)

74 %

Surrogate: 2-Fluorophenol (25-120%)

76 %

Surrogate: Nitrobenzene-d5 (30-120%)

65 %

Surrogate: Phenol-d6 (35-120%)

78 %

Surrogate: Terphenyl-d14 (40-135%)

80 %

### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| <b>Benzoic acid</b>                                | EPA 8270C | 9I10072 | 150       | 830             | <b>330</b>    | 0.999           | 09/10/09       | 09/12/09      | J               |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| <b>Bis(2-ethylhexyl)phthalate</b>                  | EPA 8270C | 9I10072 | 90        | 330             | <b>93</b>     | 0.999           | 09/10/09       | 09/12/09      | J               |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.999           | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 | 103 %         |                 |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 | 75 %          |                 |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 | 68 %          |                 |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 | 80 %          |                 |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 | 99 %          |                 |                |               |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                      |           |         |           |                 |               |                 |                |               |                 |
| Acenaphthene                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Acenaphthylene                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aniline  | EPA 8270C | 9I10072 | 85        | 420             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Anthracene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzidine  | EPA 8270C | 9I10072 | 660       | 660             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)anthracene                                 | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzo(a)pyrene                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzo(b)fluoranthene                               | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzo(g,h,i)perylene                               | EPA 8270C | 9I10072 | 110       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Benzo(k)fluoranthene                               | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| <b>Benzoic acid</b>                                | EPA 8270C | 9I10072 | 150       | 830             | <b>300</b>    | 0.998           | 09/10/09       | 09/12/09      | J               |
| Benzyl alcohol                                     | EPA 8270C | 9I10072 | 200       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Bromophenyl phenyl ether                         | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Butyl benzyl phthalate                             | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Chloro-3-methylphenol                            | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Chloroaniline                                    | EPA 8270C | 9I10072 | 120       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethoxy)methane                         | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroethyl)ether                            | EPA 8270C | 9I10072 | 60        | 170             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Bis(2-chloroisopropyl)ether                        | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Bis(2-ethylhexyl)phthalate                         | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Chloronaphthalene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Chlorophenol                                     | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Chlorophenyl phenyl ether                        | EPA 8270C | 9I10072 | 85        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Chrysene   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Dibenz(a,h)anthracene                              | EPA 8270C | 9I10072 | 100       | 420             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Dibenzofuran                                       | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Di-n-butyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 1,2-Dichlorobenzene                                | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 1,3-Dichlorobenzene                                | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 1,4-Dichlorobenzene                                | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 3,3'-Dichlorobenzidine                             | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dichlorophenol                                 | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Diethyl phthalate                                  | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dimethylphenol                                 | EPA 8270C | 9I10072 | 100       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Dimethyl phthalate                                 | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4,6-Dinitro-2-methylphenol                         | EPA 8270C | 9I10072 | 110       | 420             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrophenol                                  | EPA 8270C | 9I10072 | 110       | 660             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,6-Dinitrotoluene                                 | EPA 8270C | 9I10072 | 95        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Di-n-octyl phthalate                               | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 1,2-Diphenylhydrazine/Azobenzene                   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |

### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil) - cont.</b> |           |         |           |                 |               |                 |                |               |                 |
| <b>Reporting Units: ug/kg</b>                              |           |         |           |                 |               |                 |                |               |                 |
| Fluoranthene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Fluorene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobenzene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Hexachlorobutadiene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Hexachlorocyclopentadiene                                  | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Hexachloroethane   | EPA 8270C | 9I10072 | 65        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Indeno(1,2,3-cd)pyrene                                     | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Isophorone   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Methylnaphthalene  | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Methylphenol   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      | L               |
| Naphthalene  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Nitroaniline   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 3-Nitroaniline   | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Nitroaniline   | EPA 8270C | 9I10072 | 90        | 830             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Nitrobenzene   | EPA 8270C | 9I10072 | 70        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2-Nitrophenol  | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 4-Nitrophenol  | EPA 8270C | 9I10072 | 140       | 830             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| N-Nitroso-di-n-propylamine                                 | EPA 8270C | 9I10072 | 70        | 250             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodimethylamine                                     | EPA 8270C | 9I10072 | 55        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| N-Nitrosodiphenylamine                                     | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Pentachlorophenol  | EPA 8270C | 9I10072 | 150       | 830             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Phenanthrene   | EPA 8270C | 9I10072 | 60        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Phenol   | EPA 8270C | 9I10072 | 90        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Pyrene   | EPA 8270C | 9I10072 | 80        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 1,2,4-Trichlorobenzene                                     | EPA 8270C | 9I10072 | 50        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4,5-Trichlorophenol                                      | EPA 8270C | 9I10072 | 130       | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| 2,4,6-Trichlorophenol                                      | EPA 8270C | 9I10072 | 75        | 330             | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Surrogate: 2,4,6-Tribromophenol (35-125%)                  |           |         |           |                 |               | 98 %            |                |               |                 |
| Surrogate: 2-Fluorobiphenyl (35-120%)                      |           |         |           |                 |               | 73 %            |                |               |                 |
| Surrogate: 2-Fluorophenol (25-120%)                        |           |         |           |                 |               | 73 %            |                |               |                 |
| Surrogate: Nitrobenzene-d5 (30-120%)                       |           |         |           |                 |               | 64 %            |                |               |                 |
| Surrogate: Phenol-d6 (35-120%)                             |           |         |           |                 |               | 79 %            |                |               |                 |
| Surrogate: Terphenyl-d14 (40-135%)                         |           |         |           |                 |               | 93 %            |                |               |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                             |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1221                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1232                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1242                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1248                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1254                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1260                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |

Surrogate: Decachlorobiphenyl (45-120%) 90 %

### Sample ID: ISI0508-02 (ISWC0105S001 - Soil)

Reporting Units: ug/kg

|              |          |         |     |    |    |   |          |          |  |
|--------------|----------|---------|-----|----|----|---|----------|----------|--|
| Aroclor 1016 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1221 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1232 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1242 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1248 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1254 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1260 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |

Surrogate: Decachlorobiphenyl (45-120%) 94 %

### Sample ID: ISI0508-03 (ISWC0106S001 - Soil)

Reporting Units: ug/kg

|              |          |         |     |    |    |   |          |          |  |
|--------------|----------|---------|-----|----|----|---|----------|----------|--|
| Aroclor 1016 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1221 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1232 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1242 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1248 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1254 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |
| Aroclor 1260 | EPA 8082 | 9I10043 | 6.7 | 50 | ND | 1 | 09/10/09 | 09/11/09 |  |

Surrogate: Decachlorobiphenyl (45-120%) 91 %

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-04 (ISWC0107S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                             |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1221                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1232                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1242                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1248                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1254                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Aroclor 1260                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/11/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)            |          |         |           |                 | 94 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                             |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1221                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1232                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1242                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1248                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1254                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Aroclor 1260                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 0.998           | 09/10/09       | 09/12/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)            |          |         |           |                 | 71 %          |                 |                |               |                 |
| <b>Sample ID: ISI0508-06 (ISWC0109S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                             |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1221                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1232                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1242                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1248                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1254                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1260                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)            |          |         |           |                 | 84 %          |                 |                |               |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                             |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1221                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1232                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1242                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1248                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1254                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| Aroclor 1260                                       | EPA 8082 | 9I10043 | 6.7       | 50              | ND            | 1               | 09/10/09       | 09/12/09      |                 |
| <i>Surrogate: Decachlorobiphenyl (45-120%)</i>     |          |         |           |                 | 86 %          |                 |                |               |                 |

### Sample ID: ISI0508-08 (ISWC0111S001 - Soil)

|  |          |         |     |    |      |   |          |          |  |
|--|----------|---------|-----|----|------|---|----------|----------|--|
| Reporting Units: ug/kg                         |          |         |     |    |      |   |          |          |  |
| Aroclor 1016                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1221                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1232                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1242                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1248                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1254                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| Aroclor 1260                                   | EPA 8082 | 9I10043 | 6.7 | 50 | ND   | 1 | 09/10/09 | 09/12/09 |  |
| <i>Surrogate: Decachlorobiphenyl (45-120%)</i> |          |         |     |    | 86 % |   |          |          |  |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-01 (ISWC0104S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9I10074 | 0.88      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Arsenic  | EPA 6010B | 9I10074 | 0.81      | 2.0             | <b>4.2</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Barium   | EPA 6010B | 9I10074 | 0.80      | 1.0             | <b>88</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Beryllium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | <b>0.64</b>   | 1               | 09/10/09       | 09/10/09      |                 |
| Cadmium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Chromium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>23</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Cobalt   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>5.8</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Copper   | EPA 6010B | 9I10074 | 0.38      | 2.0             | <b>9.5</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Lead   | EPA 6010B | 9I10074 | 0.50      | 2.0             | <b>13</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Molybdenum   | EPA 6010B | 9I10074 | 0.20      | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Nickel   | EPA 6010B | 9I10074 | 0.20      | 2.0             | <b>18</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Selenium   | EPA 6010B | 9I10074 | 1.0       | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Silver   | EPA 6010B | 9I10074 | 0.80      | 1.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Thallium   | EPA 6010B | 9I10074 | 0.80      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Vanadium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>38</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Zinc   | EPA 6010B | 9I10074 | 0.75      | 5.0             | <b>62</b>     | 1               | 09/10/09       | 09/10/09      |                 |

### Sample ID: ISI0508-02 (ISWC0105S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9I10074 | 0.88 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Arsenic    | EPA 6010B | 9I10074 | 0.81 | 2.0  | <b>4.8</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Barium     | EPA 6010B | 9I10074 | 0.80 | 1.0  | <b>84</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Beryllium  | EPA 6010B | 9I10074 | 0.20 | 0.50 | <b>0.64</b> | 1 | 09/10/09 | 09/10/09 |  |
| Cadmium    | EPA 6010B | 9I10074 | 0.20 | 0.50 | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Chromium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>23</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Cobalt     | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>5.9</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Copper     | EPA 6010B | 9I10074 | 0.38 | 2.0  | <b>8.8</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Lead       | EPA 6010B | 9I10074 | 0.50 | 2.0  | <b>4.5</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Molybdenum | EPA 6010B | 9I10074 | 0.20 | 2.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Nickel     | EPA 6010B | 9I10074 | 0.20 | 2.0  | <b>17</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Selenium   | EPA 6010B | 9I10074 | 1.0  | 2.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Silver     | EPA 6010B | 9I10074 | 0.80 | 1.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Thallium   | EPA 6010B | 9I10074 | 0.80 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Vanadium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>38</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Zinc       | EPA 6010B | 9I10074 | 0.75 | 5.0  | <b>54</b>   | 1 | 09/10/09 | 09/10/09 |  |

TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-03 (ISWC0106S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9I10074 | 0.88      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Arsenic  | EPA 6010B | 9I10074 | 0.81      | 2.0             | <b>4.2</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Barium   | EPA 6010B | 9I10074 | 0.80      | 1.0             | <b>61</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Beryllium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | <b>0.58</b>   | 1               | 09/10/09       | 09/10/09      |                 |
| Cadmium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Chromium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>18</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Cobalt   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>4.8</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Copper   | EPA 6010B | 9I10074 | 0.38      | 2.0             | <b>6.9</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Lead   | EPA 6010B | 9I10074 | 0.50      | 2.0             | <b>2.6</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Molybdenum   | EPA 6010B | 9I10074 | 0.20      | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Nickel   | EPA 6010B | 9I10074 | 0.20      | 2.0             | <b>14</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Selenium   | EPA 6010B | 9I10074 | 1.0       | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Silver   | EPA 6010B | 9I10074 | 0.80      | 1.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Thallium   | EPA 6010B | 9I10074 | 0.80      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Vanadium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>30</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Zinc   | EPA 6010B | 9I10074 | 0.75      | 5.0             | <b>43</b>     | 1               | 09/10/09       | 09/10/09      |                 |

### Sample ID: ISI0508-04 (ISWC0107S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |  |
|------------|-----------|---------|------|------|-------------|---|----------|----------|--|
| Antimony   | EPA 6010B | 9I10074 | 0.88 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Arsenic    | EPA 6010B | 9I10074 | 0.81 | 2.0  | <b>4.4</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Barium     | EPA 6010B | 9I10074 | 0.80 | 1.0  | <b>70</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Beryllium  | EPA 6010B | 9I10074 | 0.20 | 0.50 | <b>0.57</b> | 1 | 09/10/09 | 09/10/09 |  |
| Cadmium    | EPA 6010B | 9I10074 | 0.20 | 0.50 | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Chromium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>18</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Cobalt     | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>5.1</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Copper     | EPA 6010B | 9I10074 | 0.38 | 2.0  | <b>9.2</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Lead       | EPA 6010B | 9I10074 | 0.50 | 2.0  | <b>5.9</b>  | 1 | 09/10/09 | 09/10/09 |  |
| Molybdenum | EPA 6010B | 9I10074 | 0.20 | 2.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Nickel     | EPA 6010B | 9I10074 | 0.20 | 2.0  | <b>14</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Selenium   | EPA 6010B | 9I10074 | 1.0  | 2.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Silver     | EPA 6010B | 9I10074 | 0.80 | 1.0  | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Thallium   | EPA 6010B | 9I10074 | 0.80 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |  |
| Vanadium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>32</b>   | 1 | 09/10/09 | 09/10/09 |  |
| Zinc       | EPA 6010B | 9I10074 | 0.75 | 5.0  | <b>50</b>   | 1 | 09/10/09 | 09/10/09 |  |

TestAmerica Irvine

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-05 (ISWC0108S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9I10074 | 0.88      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Arsenic  | EPA 6010B | 9I10074 | 0.81      | 2.0             | <b>7.0</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Barium   | EPA 6010B | 9I10074 | 0.80      | 1.0             | <b>91</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Beryllium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | <b>0.74</b>   | 1               | 09/10/09       | 09/10/09      |                 |
| Cadmium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Chromium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>27</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Cobalt   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>6.4</b>    | 1               | 09/10/09       | 09/10/09      |                 |
| Copper   | EPA 6010B | 9I10074 | 0.38      | 2.0             | <b>12</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Lead   | EPA 6010B | 9I10074 | 0.50      | 2.0             | <b>44</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Molybdenum   | EPA 6010B | 9I10074 | 0.20      | 2.0             | <b>0.28</b>   | 1               | 09/10/09       | 09/10/09      | J               |
| Nickel   | EPA 6010B | 9I10074 | 0.20      | 2.0             | <b>18</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Selenium   | EPA 6010B | 9I10074 | 1.0       | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Silver   | EPA 6010B | 9I10074 | 0.80      | 1.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Thallium   | EPA 6010B | 9I10074 | 0.80      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Vanadium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | <b>41</b>     | 1               | 09/10/09       | 09/10/09      |                 |
| Zinc   | EPA 6010B | 9I10074 | 0.75      | 5.0             | <b>70</b>     | 1               | 09/10/09       | 09/10/09      |                 |

### Sample ID: ISI0508-06 (ISWC0109S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |             |   |          |          |   |
|------------|-----------|---------|------|------|-------------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9I10074 | 0.88 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |   |
| Arsenic    | EPA 6010B | 9I10074 | 0.81 | 2.0  | <b>5.4</b>  | 1 | 09/10/09 | 09/10/09 |   |
| Barium     | EPA 6010B | 9I10074 | 0.80 | 1.0  | <b>78</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Beryllium  | EPA 6010B | 9I10074 | 0.20 | 0.50 | <b>0.69</b> | 1 | 09/10/09 | 09/10/09 |   |
| Cadmium    | EPA 6010B | 9I10074 | 0.20 | 0.50 | ND          | 1 | 09/10/09 | 09/10/09 |   |
| Chromium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>20</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Cobalt     | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>5.4</b>  | 1 | 09/10/09 | 09/10/09 |   |
| Copper     | EPA 6010B | 9I10074 | 0.38 | 2.0  | <b>10</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Lead       | EPA 6010B | 9I10074 | 0.50 | 2.0  | <b>27</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Molybdenum | EPA 6010B | 9I10074 | 0.20 | 2.0  | <b>0.39</b> | 1 | 09/10/09 | 09/10/09 | J |
| Nickel     | EPA 6010B | 9I10074 | 0.20 | 2.0  | <b>14</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Selenium   | EPA 6010B | 9I10074 | 1.0  | 2.0  | ND          | 1 | 09/10/09 | 09/10/09 |   |
| Silver     | EPA 6010B | 9I10074 | 0.80 | 1.0  | ND          | 1 | 09/10/09 | 09/10/09 |   |
| Thallium   | EPA 6010B | 9I10074 | 0.80 | 10   | ND          | 1 | 09/10/09 | 09/10/09 |   |
| Vanadium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | <b>36</b>   | 1 | 09/10/09 | 09/10/09 |   |
| Zinc       | EPA 6010B | 9I10074 | 0.75 | 5.0  | <b>58</b>   | 1 | 09/10/09 | 09/10/09 |   |

TestAmerica Irvine

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Project Manager



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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISI0508-07 (ISWC0110S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                             |           |         |           |                 |               |                 |                |               |                 |
| Antimony   | EPA 6010B | 9I10074 | 0.88      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Arsenic  | EPA 6010B | 9I10074 | 0.81      | 2.0             | 5.7           | 1               | 09/10/09       | 09/10/09      |                 |
| Barium   | EPA 6010B | 9I10074 | 0.80      | 1.0             | 90            | 1               | 09/10/09       | 09/10/09      |                 |
| Beryllium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | 0.61          | 1               | 09/10/09       | 09/10/09      |                 |
| Cadmium  | EPA 6010B | 9I10074 | 0.20      | 0.50            | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Chromium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | 19            | 1               | 09/10/09       | 09/10/09      |                 |
| Cobalt   | EPA 6010B | 9I10074 | 0.30      | 1.0             | 5.2           | 1               | 09/10/09       | 09/10/09      |                 |
| Copper   | EPA 6010B | 9I10074 | 0.38      | 2.0             | 10            | 1               | 09/10/09       | 09/10/09      |                 |
| Lead   | EPA 6010B | 9I10074 | 0.50      | 2.0             | 30            | 1               | 09/10/09       | 09/10/09      |                 |
| Molybdenum   | EPA 6010B | 9I10074 | 0.20      | 2.0             | 0.43          | 1               | 09/10/09       | 09/10/09      | J               |
| Nickel   | EPA 6010B | 9I10074 | 0.20      | 2.0             | 14            | 1               | 09/10/09       | 09/10/09      |                 |
| Selenium   | EPA 6010B | 9I10074 | 1.0       | 2.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Silver   | EPA 6010B | 9I10074 | 0.80      | 1.0             | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Thallium   | EPA 6010B | 9I10074 | 0.80      | 10              | ND            | 1               | 09/10/09       | 09/10/09      |                 |
| Vanadium   | EPA 6010B | 9I10074 | 0.30      | 1.0             | 34            | 1               | 09/10/09       | 09/10/09      |                 |
| Zinc   | EPA 6010B | 9I10074 | 0.75      | 5.0             | 61            | 1               | 09/10/09       | 09/10/09      |                 |

### Sample ID: ISI0508-08 (ISWC0111S001 - Soil)

Reporting Units: mg/kg

|            |           |         |      |      |      |   |          |          |   |
|------------|-----------|---------|------|------|------|---|----------|----------|---|
| Antimony   | EPA 6010B | 9I10074 | 0.88 | 10   | ND   | 1 | 09/10/09 | 09/10/09 |   |
| Arsenic    | EPA 6010B | 9I10074 | 0.81 | 2.0  | 4.7  | 1 | 09/10/09 | 09/10/09 |   |
| Barium     | EPA 6010B | 9I10074 | 0.80 | 1.0  | 68   | 1 | 09/10/09 | 09/10/09 |   |
| Beryllium  | EPA 6010B | 9I10074 | 0.20 | 0.50 | 0.56 | 1 | 09/10/09 | 09/10/09 |   |
| Cadmium    | EPA 6010B | 9I10074 | 0.20 | 0.50 | ND   | 1 | 09/10/09 | 09/10/09 |   |
| Chromium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | 17   | 1 | 09/10/09 | 09/10/09 |   |
| Cobalt     | EPA 6010B | 9I10074 | 0.30 | 1.0  | 4.6  | 1 | 09/10/09 | 09/10/09 |   |
| Copper     | EPA 6010B | 9I10074 | 0.38 | 2.0  | 8.1  | 1 | 09/10/09 | 09/10/09 |   |
| Lead       | EPA 6010B | 9I10074 | 0.50 | 2.0  | 74   | 1 | 09/10/09 | 09/10/09 |   |
| Molybdenum | EPA 6010B | 9I10074 | 0.20 | 2.0  | 0.31 | 1 | 09/10/09 | 09/10/09 | J |
| Nickel     | EPA 6010B | 9I10074 | 0.20 | 2.0  | 12   | 1 | 09/10/09 | 09/10/09 |   |
| Selenium   | EPA 6010B | 9I10074 | 1.0  | 2.0  | ND   | 1 | 09/10/09 | 09/10/09 |   |
| Silver     | EPA 6010B | 9I10074 | 0.80 | 1.0  | ND   | 1 | 09/10/09 | 09/10/09 |   |
| Thallium   | EPA 6010B | 9I10074 | 0.80 | 10   | ND   | 1 | 09/10/09 | 09/10/09 |   |
| Vanadium   | EPA 6010B | 9I10074 | 0.30 | 1.0  | 32   | 1 | 09/10/09 | 09/10/09 |   |
| Zinc       | EPA 6010B | 9I10074 | 0.75 | 5.0  | 53   | 1 | 09/10/09 | 09/10/09 |   |

TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09

Received: 09/04/09

## STLC METALS

| Analyte                                     | Batch   | MDL<br>Limit | Reporting<br>Limit | Sample<br>Result | Dilution<br>Factor | STLC<br>Limit | Date<br>Extracted | Date<br>Analyzed | Data<br>Qualifiers |
|---|---------|--------------|--------------------|------------------|--------------------|---------------|-------------------|------------------|--------------------|
| Sample ID: ISI0508-08 (ISWC0111S001 - Soil) |         |              |                    |                  |                    |               |                   |                  |                    |
| Reporting Units: mg/l                       |         |              |                    |                  |                    |               |                   |                  |                    |
| Lead  | 9I22075 | 0.080        | 0.10               | 3.7              | 1                  | 5.0           | 9/22/2009         | 9/22/2009        |                    |

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Project Manager

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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09

Received: 09/04/09

## WASTE EXTRACTION TEST (STLC) - Metals/Inorganics

| Analyte  | Method   | Batch   | Extraction<br>Start Date | Extraction<br>End Date | Data<br>Qualifiers |
|--|----------|---------|--------------------------|------------------------|--------------------|
| <b>Sample ID: ISI0508-08 (ISWC0111S001 - Soil)</b><br>Extraction | STLC-Met | 9I19041 | 9/19/2009                | 9/21/2009              |                    |

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**ISI0508 <Page 46 of 104>**

The Boeing Company-SSFL  
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 Canoga Park, CA 91304-1148  
 Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09

Received: 09/04/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISI0508-01 (ISWC0104S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.2           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 88            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.64          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 23            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 9.5           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 13            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 18            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 38            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 62            | 250                           | 5000                           |                               |
| <b>ISI0508-02 (ISWC0105S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.8           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 84            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.64          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 23            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.9           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 8.8           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 4.5           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 17            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 38            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 54            | 250                           | 5000                           |                               |

**TestAmerica Irvine**

Joseph Doak  
 Project Manager

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISI0508-03 (ISWC0106S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.2           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 61            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.58          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 18            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 4.8           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 6.9           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 2.6           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 30            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 43            | 250                           | 5000                           |                               |
| <b>ISI0508-04 (ISWC0107S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 4.4           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 70            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.57          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 18            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.1           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 9.2           | 25                            | 2500                           |                               |
| Lead  | mg/kg | 5.9           | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 32            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 50            | 250                           | 5000                           |                               |

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Report Number: ISI0508

Sampled: 09/03/09

Received: 09/04/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISI0508-05 (ISWC0108S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 7.0           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 91            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.74          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 27            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 6.4           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 12            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 44            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | 0.28          | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 18            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 41            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 70            | 250                           | 5000                           |                               |
| <b>ISI0508-06 (ISWC0109S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Antimony  | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg | 5.4           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg | 78            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg | 0.69          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg | 20            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg | 5.4           | 80                            | 8000                           |                               |
| Copper  | mg/kg | 10            | 25                            | 2500                           |                               |
| Lead  | mg/kg | 27            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg | 0.39          | 350                           | 3500                           |                               |
| Nickel  | mg/kg | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg | 36            | 24                            | 2400                           |                               |
| Zinc  | mg/kg | 58            | 250                           | 5000                           |                               |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte   | Units        | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|---|--------------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISI0508-07 (ISWC0110S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 5.7           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 90            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.61          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 19            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 5.2           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 10            | 25                            | 2500                           |                               |
| Lead  | mg/kg        | 30            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 0.43          | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 14            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 34            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 61            | 250                           | 5000                           |                               |
| <b>ISI0508-08 (ISWC0111S001 - Soil) EPA 6010B</b> |              |               |                               |                                |                               |
| Antimony  | mg/kg        | ND            | 15                            | 500                            |                               |
| Arsenic   | mg/kg        | 4.7           | 5.0                           | 500                            | 5.0                           |
| Barium  | mg/kg        | 68            | 100                           | 10000                          | 100                           |
| Beryllium   | mg/kg        | 0.56          | 0.75                          | 75                             |                               |
| Cadmium   | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Chromium  | mg/kg        | 17            | 5.0                           | 2500                           | 5.0                           |
| Cobalt  | mg/kg        | 4.6           | 80                            | 8000                           |                               |
| Copper  | mg/kg        | 8.1           | 25                            | 2500                           |                               |
| <b>Lead</b>                                       | <b>mg/kg</b> | <b>74</b>     | <b>5.0</b>                    | 1000                           | 5.0                           |
| Molybdenum  | mg/kg        | 0.31          | 350                           | 3500                           |                               |
| Nickel  | mg/kg        | 12            | 20                            | 2000                           |                               |
| Selenium  | mg/kg        | ND            | 1.0                           | 100                            | 1.0                           |
| Silver  | mg/kg        | ND            | 5.0                           | 500                            | 5.0                           |
| Thallium  | mg/kg        | ND            | 7.0                           | 700                            |                               |
| Vanadium  | mg/kg        | 32            | 24                            | 2400                           |                               |
| Zinc  | mg/kg        | 53            | 250                           | 5000                           |                               |

Note: STLC limits in bold signify the result exceeds 10 x STLC limit. TCLP limits in bold signify the result exceeds 20 x TCLP limit.

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The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### EXTRACTABLE FUEL HYDROCARBONS (EPA 3545/8015B)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10092 Extracted: 09/10/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Blank Analyzed: 09/11/2009 (9I10092-BLK1)</b>            |        |                 |     |       |             |                           |           |             |     |           |                 |
| DRO (C10-C24)   | ND     | 5.0             | 3.5 | mg/kg |             |                           |           |             |     |           |                 |
| ORO (C25-C40)   | ND     | 5.0             | 3.5 | mg/kg |             |                           |           |             |     |           |                 |
| EFH (C10 - C40)   | ND     | 5.0             | 3.5 | mg/kg |             |                           |           |             |     |           |                 |
| EFH (C8 - C28)  | ND     | 5.0             | 3.5 | mg/kg |             |                           |           |             |     |           |                 |
| Surrogate: n-Octacosane                                     | 8.73   |                 |     | mg/kg | 10.0        |                           | 87        | 40-125      |     |           |                 |
| <b>LCS Analyzed: 09/11/2009 (9I10092-BS1)</b>               |        |                 |     |       |             |                           |           |             |     |           |                 |
| EFH (C8 - C28)  | 38.8   | 5.0             | 3.5 | mg/kg | 50.0        |                           | 78        | 45-115      |     |           |                 |
| Surrogate: n-Octacosane                                     | 9.20   |                 |     | mg/kg | 10.0        |                           | 92        | 40-125      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I10092-MS1)</b>      |        |                 |     |       |             |                           |           |             |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| EFH (C10 - C40)   | 167    | 10              | 7.0 | mg/kg | 50.0        | 120                       | 94        | 40-120      |     |           |                 |
| Surrogate: n-Octacosane                                     | 12.6   |                 |     | mg/kg | 10.0        |                           | 126       | 40-125      |     |           | ZX              |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I10092-MSD1)</b> |        |                 |     |       |             |                           |           |             |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| EFH (C10 - C40)   | 221    | 10              | 7.0 | mg/kg | 50.0        | 120                       | 201       | 40-120      | 28  | 30        | MI              |
| Surrogate: n-Octacosane                                     | 14.3   |                 |     | mg/kg | 10.0        |                           | 143       | 40-125      |     |           | ZX              |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## 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 |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I08099 Extracted: 09/08/09</b>                                      |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 09/09/2009 (9I08099-BLK1)</b>                               |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | ND     | 0.40            | 0.15 | mg/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-BFB (FID)   | 0.0199 |                 |      | mg/kg | 0.0200      |               | 99        | 65-140      |     |           |                 |
| <b>LCS Analyzed: 09/08/2009 (9I08099-BS1)</b>                                  |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | 1.73   | 0.40            | 0.15 | mg/kg | 1.60        |               | 108       | 70-135      |     |           |                 |
| Surrogate: 4-BFB (FID)   | 0.0257 |                 |      | mg/kg | 0.0200      |               | 128       | 65-140      |     |           |                 |
| <b>LCS Dup Analyzed: 09/09/2009 (9I08099-BSD1)</b>                             |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | 1.79   | 0.40            | 0.15 | mg/kg | 1.60        |               | 112       | 70-135      | 3   | 20        |                 |
| Surrogate: 4-BFB (FID)   | 0.0261 |                 |      | mg/kg | 0.0200      |               | 131       | 65-140      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/09/2009 (9I08099-MS1) Source: ISI0508-01</b>      |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | 0.442  | 0.38            | 0.14 | mg/kg | 0.417       | ND            | 106       | 60-140      |     |           |                 |
| Surrogate: 4-BFB (FID)   | 0.0145 |                 |      | mg/kg | 0.0190      |               | 76        | 65-140      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/09/2009 (9I08099-MSD1) Source: ISI0508-01</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | 0.417  | 0.38            | 0.14 | mg/kg | 0.421       | ND            | 99        | 60-140      | 6   | 30        |                 |
| Surrogate: 4-BFB (FID)   | 0.0115 |                 |      | mg/kg | 0.0191      |               | 60        | 65-140      |     |           | Z               |
| <b>Batch: 9I09114 Extracted: 09/09/09</b>                                      |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 09/09/2009 (9I09114-BLK1)</b>                               |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | ND     | 0.40            | 0.15 | mg/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-BFB (FID)   | 0.0198 |                 |      | mg/kg | 0.0200      |               | 99        | 65-140      |     |           |                 |
| <b>LCS Analyzed: 09/09/2009 (9I09114-BS1)</b>                                  |        |                 |      |       |             |               |           |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)  | 1.55   | 0.40            | 0.15 | mg/kg | 1.60        |               | 97        | 70-135      |     |           |                 |
| Surrogate: 4-BFB (FID)   | 0.0439 |                 |      | mg/kg | 0.0200      |               | 220       | 65-140      |     |           | Z2              |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
 Received: 09/04/09

## METHOD BLANK/QC DATA

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

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I09114 Extracted: 09/09/09</b>                   |        |                 |      |       |             |                           |      |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/09/2009 (9I09114-MS1)</b>      |        |                 |      |       |             | <b>Source: ISI0508-02</b> |      |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                         | 0.496  | 0.39            | 0.15 | mg/kg | 0.428       | ND                        | 116  | 60-140      |     |           |                 |
| Surrogate: 4-BFB (FID)                                      | 0.0217 |                 |      | mg/kg | 0.0195      |                           | 112  | 65-140      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/09/2009 (9I09114-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0508-02</b> |      |             |     |           |                 |
| Volatile Fuel Hydrocarbons (C6-C12)                         | 0.489  | 0.39            | 0.15 | mg/kg | 0.429       | ND                        | 114  | 60-140      | 1   | 30        |                 |
| Surrogate: 4-BFB (FID)                                      | 0.0173 |                 |      | mg/kg | 0.0195      |                           | 89   | 65-140      |     |           |                 |

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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/11/2009 (9I11112-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Acetone  | ND     | 10              | 8.0  | ug/kg |             |               |           |             |         |           |                 |
| Benzene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromobenzene                                     | ND     | 2.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| Bromochloromethane                               | ND     | 2.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| Bromodichloromethane                             | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromoform  | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Bromomethane                                     | ND     | 2.0             | 0.92 | ug/kg |             |               |           |             |         |           |                 |
| 2-Butanone (MEK)                                 | ND     | 10              | 6.0  | ug/kg |             |               |           |             |         |           |                 |
| n-Butylbenzene                                   | ND     | 2.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| sec-Butylbenzene                                 | ND     | 2.0             | 0.67 | ug/kg |             |               |           |             |         |           |                 |
| tert-Butylbenzene                                | ND     | 2.0             | 0.62 | ug/kg |             |               |           |             |         |           |                 |
| Carbon Disulfide                                 | ND     | 5.0             | 0.97 | ug/kg |             |               |           |             |         |           |                 |
| Carbon tetrachloride                             | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chlorobenzene                                    | ND     | 1.0             | 0.52 | ug/kg |             |               |           |             |         |           |                 |
| Chloroethane                                     | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Chloroform                                       | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chloromethane                                    | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorotoluene                                  | ND     | 2.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 5.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Project Manager

The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/11/2009 (9I11112-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           |                 |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |         |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |         |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |         |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 47.7   |                 |      | ug/kg | 50.0        |               | 95        | 80-120      |         |           |                 |
| Surrogate: Dibromofluoromethane                  | 48.0   |                 |      | ug/kg | 50.0        |               | 96        | 80-125      |         |           |                 |
| Surrogate: Toluene-d8                            | 45.1   |                 |      | ug/kg | 50.0        |               | 90        | 80-120      |         |           |                 |

#### TestAmerica Irvine

Joseph Doak  
Project Manager

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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/11/2009 (9I11112-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone                                       | 35.4   | 10              | 8.0  | ug/kg | 50.0        |               | 71        | 25-145      |     |           |                 |
| Benzene                                       | 42.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 86        | 65-120      |     |           |                 |
| Bromobenzene                                  | 52.5   | 2.0             | 0.84 | ug/kg | 50.0        |               | 105       | 75-120      |     |           |                 |
| Bromochloromethane                            | 55.5   | 2.0             | 0.90 | ug/kg | 50.0        |               | 111       | 70-135      |     |           |                 |
| Bromodichloromethane                          | 48.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 98        | 70-135      |     |           |                 |
| Bromoform                                     | 47.5   | 2.0             | 0.80 | ug/kg | 50.0        |               | 95        | 55-135      |     |           |                 |
| Bromomethane                                  | 46.8   | 2.0             | 0.92 | ug/kg | 50.0        |               | 94        | 60-145      |     |           |                 |
| 2-Butanone (MEK)                              | 38.8   | 10              | 6.0  | ug/kg | 50.0        |               | 78        | 40-145      |     |           |                 |
| n-Butylbenzene                                | 49.7   | 2.0             | 0.72 | ug/kg | 50.0        |               | 99        | 70-130      |     |           |                 |
| sec-Butylbenzene                              | 54.4   | 2.0             | 0.67 | ug/kg | 50.0        |               | 109       | 70-125      |     |           |                 |
| tert-Butylbenzene                             | 57.0   | 2.0             | 0.62 | ug/kg | 50.0        |               | 114       | 70-125      |     |           |                 |
| Carbon Disulfide                              | 43.1   | 5.0             | 0.97 | ug/kg | 50.0        |               | 86        | 50-130      |     |           |                 |
| Carbon tetrachloride                          | 59.7   | 2.0             | 0.50 | ug/kg | 50.0        |               | 119       | 65-140      |     |           |                 |
| Chlorobenzene                                 | 52.0   | 1.0             | 0.52 | ug/kg | 50.0        |               | 104       | 75-120      |     |           |                 |
| Chloroethane                                  | 48.5   | 2.0             | 1.5  | ug/kg | 50.0        |               | 97        | 60-140      |     |           |                 |
| Chloroform                                    | 41.7   | 1.0             | 0.50 | ug/kg | 50.0        |               | 83        | 70-130      |     |           |                 |
| Chloromethane                                 | 39.3   | 2.0             | 1.0  | ug/kg | 50.0        |               | 79        | 45-145      |     |           |                 |
| 2-Chlorotoluene                               | 48.8   | 2.0             | 0.87 | ug/kg | 50.0        |               | 98        | 70-125      |     |           |                 |
| 4-Chlorotoluene                               | 54.2   | 2.0             | 0.74 | ug/kg | 50.0        |               | 108       | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                   | 43.6   | 10              | 1.5  | ug/kg | 50.0        |               | 87        | 50-135      |     |           |                 |
| Dibromochloromethane                          | 55.5   | 1.0             | 0.70 | ug/kg | 50.0        |               | 111       | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                       | 49.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 99        | 70-130      |     |           |                 |
| Dibromomethane                                | 47.4   | 1.0             | 0.90 | ug/kg | 50.0        |               | 95        | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                           | 53.6   | 1.0             | 0.95 | ug/kg | 50.0        |               | 107       | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 56.1   | 1.0             | 0.84 | ug/kg | 50.0        |               | 112       | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                           | 53.2   | 1.0             | 0.94 | ug/kg | 50.0        |               | 106       | 75-120      |     |           |                 |
| Dichlorodifluoromethane                       | 64.6   | 5.0             | 1.5  | ug/kg | 50.0        |               | 129       | 35-160      |     |           |                 |
| 1,1-Dichloroethane                            | 45.6   | 1.0             | 0.50 | ug/kg | 50.0        |               | 91        | 70-130      |     |           |                 |
| 1,2-Dichloroethane                            | 54.6   | 1.0             | 0.80 | ug/kg | 50.0        |               | 109       | 60-140      |     |           |                 |
| 1,1-Dichloroethene                            | 47.7   | 2.0             | 0.60 | ug/kg | 50.0        |               | 95        | 70-125      |     |           |                 |
| cis-1,2-Dichloroethene                        | 49.0   | 1.0             | 0.83 | ug/kg | 50.0        |               | 98        | 70-125      |     |           |                 |
| trans-1,2-Dichloroethene                      | 48.6   | 1.0             | 0.70 | ug/kg | 50.0        |               | 97        | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 43.8   | 1.0             | 0.80 | ug/kg | 50.0        |               | 88        | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 46.6   | 1.0             | 0.63 | ug/kg | 50.0        |               | 93        | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 50.7   | 1.0             | 0.60 | ug/kg | 50.0        |               | 101       | 60-145      |     |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/11/2009 (9I11112-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,3-Dichloropropene                       | 56.7   | 1.0             | 0.44 | ug/kg | 50.0        |               | 113       | 75-125      |     |           |                 |
| trans-1,3-Dichloropropene                     | 45.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 91        | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 51.1   | 1.0             | 0.40 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| Ethylbenzene                                  | 51.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 102       | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 63.3   | 2.0             | 0.80 | ug/kg | 50.0        |               | 127       | 60-135      |     |           |                 |
| 2-Hexanone                                    | 37.2   | 10              | 9.1  | ug/kg | 50.0        |               | 74        | 40-150      |     |           |                 |
| Isopropylbenzene                              | 53.3   | 1.0             | 0.54 | ug/kg | 50.0        |               | 107       | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 57.1   | 1.0             | 0.72 | ug/kg | 50.0        |               | 114       | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 37.5   | 5.0             | 4.5  | ug/kg | 50.0        |               | 75        | 40-145      |     |           |                 |
| Methylene chloride                            | 42.7   | 10              | 6.5  | ug/kg | 50.0        |               | 85        | 55-135      |     |           |                 |
| Naphthalene                                   | 53.4   | 2.0             | 1.1  | ug/kg | 50.0        |               | 107       | 55-135      |     |           |                 |
| n-Propylbenzene                               | 50.0   | 1.0             | 0.61 | ug/kg | 50.0        |               | 100       | 70-130      |     |           |                 |
| Styrene                                       | 52.2   | 1.0             | 0.58 | ug/kg | 50.0        |               | 104       | 75-130      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                     | 56.3   | 2.0             | 0.57 | ug/kg | 50.0        |               | 113       | 70-130      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                     | 38.2   | 2.0             | 0.86 | ug/kg | 50.0        |               | 76        | 55-140      |     |           |                 |
| Tetrachloroethene                             | 56.0   | 1.0             | 0.49 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| Toluene                                       | 46.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 94        | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                        | 59.7   | 2.0             | 1.0  | ug/kg | 50.0        |               | 119       | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 59.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 119       | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                         | 51.9   | 1.0             | 0.70 | ug/kg | 50.0        |               | 104       | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                         | 43.6   | 1.0             | 0.87 | ug/kg | 50.0        |               | 87        | 65-135      |     |           |                 |
| Trichloroethene                               | 54.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 110       | 70-125      |     |           |                 |
| Trichlorofluoromethane                        | 54.1   | 2.0             | 0.54 | ug/kg | 50.0        |               | 108       | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                        | 42.8   | 2.0             | 1.0  | ug/kg | 50.0        |               | 86        | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                        | 56.7   | 1.0             | 0.78 | ug/kg | 50.0        |               | 113       | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                        | 55.4   | 1.0             | 0.63 | ug/kg | 50.0        |               | 111       | 70-125      |     |           |                 |
| Vinyl acetate                                 | 40.4   | 5.0             | 2.5  | ug/kg | 50.0        |               | 81        | 45-145      |     |           |                 |
| Vinyl chloride                                | 41.9   | 2.0             | 0.91 | ug/kg | 50.0        |               | 84        | 55-135      |     |           |                 |
| m,p-Xylenes                                   | 94.9   | 2.0             | 0.80 | ug/kg | 100         |               | 95        | 70-125      |     |           |                 |
| o-Xylene                                      | 49.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 99        | 70-125      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                | 47.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 95        | 60-140      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene               | 49.9   |                 |      | ug/kg | 50.0        |               | 100       | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane               | 47.9   |                 |      | ug/kg | 50.0        |               | 96        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                         | 46.9   |                 |      | ug/kg | 50.0        |               | 94        | 80-120      |     |           |                 |

TestAmerica Irvine

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Project Manager

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I11112-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0508-01</b> |           |             |     |           |                 |
| Acetone  | 46.8   | 10              | 8.0  | ug/kg | 50.0        | ND                        | 94        | 20-145      |     |           |                 |
| Benzene  | 46.3   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 93        | 65-130      |     |           |                 |
| Bromobenzene   | 76.1   | 2.0             | 0.84 | ug/kg | 50.0        | ND                        | 152       | 65-140      |     |           | I, MI           |
| Bromochloromethane                                     | 61.4   | 2.0             | 0.90 | ug/kg | 50.0        | ND                        | 123       | 65-145      |     |           |                 |
| Bromodichloromethane                                   | 49.8   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 100       | 65-145      |     |           |                 |
| Bromoform  | 50.4   | 2.0             | 0.80 | ug/kg | 50.0        | ND                        | 101       | 50-145      |     |           |                 |
| Bromomethane   | 52.0   | 2.0             | 0.92 | ug/kg | 50.0        | ND                        | 104       | 60-155      |     |           |                 |
| 2-Butanone (MEK)                                       | 51.2   | 10              | 6.0  | ug/kg | 50.0        | ND                        | 102       | 25-170      |     |           |                 |
| n-Butylbenzene   | 50.4   | 2.0             | 0.72 | ug/kg | 50.0        | ND                        | 101       | 55-145      |     |           | I               |
| sec-Butylbenzene                                       | 66.1   | 2.0             | 0.67 | ug/kg | 50.0        | ND                        | 132       | 60-135      |     |           | I               |
| tert-Butylbenzene                                      | 78.3   | 2.0             | 0.62 | ug/kg | 50.0        | ND                        | 157       | 60-140      |     |           | I, MI           |
| Carbon Disulfide                                       | 48.0   | 5.0             | 0.97 | ug/kg | 50.0        | ND                        | 96        | 40-140      |     |           |                 |
| Carbon tetrachloride                                   | 64.5   | 2.0             | 0.50 | ug/kg | 50.0        | ND                        | 129       | 60-145      |     |           |                 |
| Chlorobenzene  | 53.0   | 1.0             | 0.52 | ug/kg | 50.0        | ND                        | 106       | 70-130      |     |           |                 |
| Chloroethane   | 61.6   | 2.0             | 1.5  | ug/kg | 50.0        | ND                        | 123       | 60-150      |     |           |                 |
| Chloroform   | 48.0   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 96        | 65-135      |     |           |                 |
| Chloromethane  | 46.2   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 92        | 40-145      |     |           |                 |
| 2-Chlorotoluene  | 65.9   | 2.0             | 0.87 | ug/kg | 50.0        | ND                        | 132       | 60-135      |     |           | I               |
| 4-Chlorotoluene  | 69.6   | 2.0             | 0.74 | ug/kg | 50.0        | ND                        | 139       | 65-135      |     |           | I, MI           |
| 1,2-Dibromo-3-chloropropane                            | 75.0   | 10              | 1.5  | ug/kg | 50.0        | ND                        | 150       | 40-150      |     |           | I               |
| Dibromochloromethane                                   | 65.0   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 130       | 60-145      |     |           |                 |
| 1,2-Dibromoethane (EDB)                                | 61.3   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 123       | 65-140      |     |           |                 |
| Dibromomethane   | 54.4   | 1.0             | 0.90 | ug/kg | 50.0        | ND                        | 109       | 65-140      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 53.8   | 1.0             | 0.95 | ug/kg | 50.0        | ND                        | 108       | 70-130      |     |           | I               |
| 1,3-Dichlorobenzene                                    | 58.4   | 1.0             | 0.84 | ug/kg | 50.0        | ND                        | 117       | 70-130      |     |           | I               |
| 1,4-Dichlorobenzene                                    | 55.4   | 1.0             | 0.94 | ug/kg | 50.0        | ND                        | 111       | 70-130      |     |           | I               |
| Dichlorodifluoromethane                                | 74.7   | 5.0             | 1.5  | ug/kg | 50.0        | ND                        | 149       | 30-160      |     |           |                 |
| 1,1-Dichloroethane                                     | 53.8   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 108       | 65-135      |     |           |                 |
| 1,2-Dichloroethane                                     | 67.9   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 136       | 60-150      |     |           |                 |
| 1,1-Dichloroethene                                     | 54.2   | 2.0             | 0.60 | ug/kg | 50.0        | ND                        | 108       | 65-135      |     |           |                 |
| cis-1,2-Dichloroethene                                 | 53.0   | 1.0             | 0.83 | ug/kg | 50.0        | ND                        | 106       | 65-135      |     |           |                 |
| trans-1,2-Dichloroethene                               | 53.9   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 108       | 70-135      |     |           |                 |
| 1,2-Dichloropropane                                    | 47.3   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 95        | 65-130      |     |           |                 |
| 1,3-Dichloropropane                                    | 60.0   | 1.0             | 0.63 | ug/kg | 50.0        | ND                        | 120       | 65-140      |     |           |                 |
| 2,2-Dichloropropane                                    | 61.6   | 1.0             | 0.60 | ug/kg | 50.0        | ND                        | 123       | 65-150      |     |           |                 |

#### TestAmerica Irvine

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Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I11112-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0508-01</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                | 57.1   | 1.0             | 0.44 | ug/kg | 50.0        | ND                        | 114       | 70-135      |     |           |                 |
| trans-1,3-Dichloropropene                              | 45.3   | 1.0             | 0.61 | ug/kg | 50.0        | ND                        | 91        | 60-145      |     |           |                 |
| 1,1-Dichloropropene                                    | 51.6   | 1.0             | 0.40 | ug/kg | 50.0        | ND                        | 103       | 65-135      |     |           |                 |
| Ethylbenzene   | 51.5   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 103       | 70-135      |     |           |                 |
| Hexachlorobutadiene                                    | 37.7   | 2.0             | 0.80 | ug/kg | 50.0        | ND                        | 75        | 50-145      |     |           | I               |
| 2-Hexanone   | 48.7   | 10              | 9.1  | ug/kg | 50.0        | ND                        | 97        | 35-160      |     |           |                 |
| Isopropylbenzene                                       | 85.1   | 1.0             | 0.54 | ug/kg | 50.0        | ND                        | 170       | 70-145      |     |           | I, M1           |
| p-Isopropyltoluene                                     | 68.2   | 1.0             | 0.72 | ug/kg | 50.0        | ND                        | 136       | 60-140      |     |           | I               |
| 4-Methyl-2-pentanone (MIBK)                            | 44.7   | 5.0             | 4.5  | ug/kg | 50.0        | ND                        | 89        | 40-155      |     |           |                 |
| Methylene chloride                                     | 50.4   | 10              | 6.5  | ug/kg | 50.0        | ND                        | 101       | 55-145      |     |           |                 |
| Naphthalene  | 35.0   | 2.0             | 1.1  | ug/kg | 50.0        | ND                        | 70        | 40-150      |     |           | I               |
| n-Propylbenzene  | 70.8   | 1.0             | 0.61 | ug/kg | 50.0        | ND                        | 142       | 65-140      |     |           | I, M1           |
| Styrene  | 45.7   | 1.0             | 0.58 | ug/kg | 50.0        | ND                        | 91        | 70-140      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                              | 61.1   | 2.0             | 0.57 | ug/kg | 50.0        | ND                        | 122       | 65-145      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                              | 74.6   | 2.0             | 0.86 | ug/kg | 50.0        | ND                        | 149       | 40-160      |     |           | I               |
| Tetrachloroethene                                      | 59.5   | 1.0             | 0.49 | ug/kg | 50.0        | ND                        | 119       | 65-135      |     |           |                 |
| Toluene  | 47.8   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 96        | 70-130      |     |           |                 |
| 1,2,3-Trichlorobenzene                                 | 30.2   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 60        | 45-145      |     |           | I               |
| 1,2,4-Trichlorobenzene                                 | 32.0   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 64        | 50-140      |     |           | I               |
| 1,1,1-Trichloroethane                                  | 57.0   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 114       | 65-145      |     |           |                 |
| 1,1,2-Trichloroethane                                  | 47.2   | 1.0             | 0.87 | ug/kg | 50.0        | ND                        | 94        | 65-140      |     |           |                 |
| Trichloroethene  | 54.5   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 109       | 65-140      |     |           |                 |
| Trichlorofluoromethane                                 | 62.5   | 2.0             | 0.54 | ug/kg | 50.0        | ND                        | 125       | 55-155      |     |           |                 |
| 1,2,3-Trichloropropane                                 | 84.8   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 170       | 50-150      |     |           | I, M1           |
| 1,2,4-Trimethylbenzene                                 | 76.3   | 1.0             | 0.78 | ug/kg | 50.0        | ND                        | 153       | 65-140      |     |           | I, M1           |
| 1,3,5-Trimethylbenzene                                 | 77.5   | 1.0             | 0.63 | ug/kg | 50.0        | ND                        | 155       | 65-135      |     |           | I, M1           |
| Vinyl acetate  | ND     | 5.0             | 2.5  | ug/kg | 50.0        | ND                        |           | 40-150      |     |           | M2              |
| Vinyl chloride   | 51.3   | 2.0             | 0.91 | ug/kg | 50.0        | ND                        | 103       | 55-140      |     |           |                 |
| m,p-Xylenes  | 96.1   | 2.0             | 0.80 | ug/kg | 100         | ND                        | 96        | 70-130      |     |           |                 |
| o-Xylene   | 50.3   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 101       | 65-130      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                         | 57.3   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 115       | 55-155      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                        | 40.8   |                 |      | ug/kg | 50.0        |                           | 82        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                        | 51.2   |                 |      | ug/kg | 50.0        |                           | 102       | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                  | 44.5   |                 |      | ug/kg | 50.0        |                           | 89        | 80-120      |     |           |                 |

TestAmerica Irvine

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Project Manager

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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I11112-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0508-01</b> |           |             |     |           |                 |
| Acetone   | 43.7   | 10              | 8.0  | ug/kg | 50.0        | ND                        | 87        | 20-145      | 7   | 40        |                 |
| Benzene   | 39.6   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 79        | 65-130      | 16  | 20        |                 |
| Bromobenzene  | 58.1   | 2.0             | 0.84 | ug/kg | 50.0        | ND                        | 116       | 65-140      | 27  | 25        | I, R-3          |
| Bromochloromethane  | 55.4   | 2.0             | 0.90 | ug/kg | 50.0        | ND                        | 111       | 65-145      | 10  | 25        |                 |
| Bromodichloromethane  | 44.9   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 90        | 65-145      | 10  | 20        |                 |
| Bromoform   | 42.5   | 2.0             | 0.80 | ug/kg | 50.0        | ND                        | 85        | 50-145      | 17  | 30        |                 |
| Bromomethane  | 47.3   | 2.0             | 0.92 | ug/kg | 50.0        | ND                        | 95        | 60-155      | 9   | 25        |                 |
| 2-Butanone (MEK)  | 42.0   | 10              | 6.0  | ug/kg | 50.0        | ND                        | 84        | 25-170      | 20  | 40        |                 |
| n-Butylbenzene  | 40.7   | 2.0             | 0.72 | ug/kg | 50.0        | ND                        | 81        | 55-145      | 21  | 30        | I               |
| sec-Butylbenzene  | 52.7   | 2.0             | 0.67 | ug/kg | 50.0        | ND                        | 105       | 60-135      | 23  | 25        | I               |
| tert-Butylbenzene   | 58.9   | 2.0             | 0.62 | ug/kg | 50.0        | ND                        | 118       | 60-140      | 28  | 25        | I, R-3          |
| Carbon Disulfide  | 42.3   | 5.0             | 0.97 | ug/kg | 50.0        | ND                        | 85        | 40-140      | 13  | 20        |                 |
| Carbon tetrachloride  | 56.4   | 2.0             | 0.50 | ug/kg | 50.0        | ND                        | 113       | 60-145      | 13  | 25        |                 |
| Chlorobenzene   | 44.8   | 1.0             | 0.52 | ug/kg | 50.0        | ND                        | 90        | 70-130      | 17  | 25        |                 |
| Chloroethane  | 48.4   | 2.0             | 1.5  | ug/kg | 50.0        | ND                        | 97        | 60-150      | 24  | 25        |                 |
| Chloroform  | 42.5   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 85        | 65-135      | 12  | 20        |                 |
| Chloromethane   | 40.9   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 82        | 40-145      | 12  | 25        |                 |
| 2-Chlorotoluene   | 53.1   | 2.0             | 0.87 | ug/kg | 50.0        | ND                        | 106       | 60-135      | 21  | 25        | I               |
| 4-Chlorotoluene   | 54.3   | 2.0             | 0.74 | ug/kg | 50.0        | ND                        | 109       | 65-135      | 25  | 25        | I               |
| 1,2-Dibromo-3-chloropropane                                 | 56.6   | 10              | 1.5  | ug/kg | 50.0        | ND                        | 113       | 40-150      | 28  | 30        | I               |
| Dibromochloromethane  | 55.6   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 111       | 60-145      | 16  | 25        |                 |
| 1,2-Dibromoethane (EDB)                                     | 52.2   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 104       | 65-140      | 16  | 25        |                 |
| Dibromomethane  | 46.2   | 1.0             | 0.90 | ug/kg | 50.0        | ND                        | 92        | 65-140      | 16  | 25        |                 |
| 1,2-Dichlorobenzene   | 44.6   | 1.0             | 0.95 | ug/kg | 50.0        | ND                        | 89        | 70-130      | 19  | 25        | I               |
| 1,3-Dichlorobenzene   | 46.4   | 1.0             | 0.84 | ug/kg | 50.0        | ND                        | 93        | 70-130      | 23  | 25        | I               |
| 1,4-Dichlorobenzene   | 44.6   | 1.0             | 0.94 | ug/kg | 50.0        | ND                        | 89        | 70-130      | 22  | 25        | I               |
| Dichlorodifluoromethane                                     | 67.9   | 5.0             | 1.5  | ug/kg | 50.0        | ND                        | 136       | 30-160      | 10  | 35        |                 |
| 1,1-Dichloroethane  | 45.2   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 90        | 65-135      | 17  | 25        |                 |
| 1,2-Dichloroethane  | 58.9   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 118       | 60-150      | 14  | 25        |                 |
| 1,1-Dichloroethene  | 47.8   | 2.0             | 0.60 | ug/kg | 50.0        | ND                        | 96        | 65-135      | 12  | 25        |                 |
| cis-1,2-Dichloroethene                                      | 45.1   | 1.0             | 0.83 | ug/kg | 50.0        | ND                        | 90        | 65-135      | 16  | 25        |                 |
| trans-1,2-Dichloroethene                                    | 46.7   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 93        | 70-135      | 14  | 25        |                 |
| 1,2-Dichloropropane   | 41.7   | 1.0             | 0.80 | ug/kg | 50.0        | ND                        | 83        | 65-130      | 12  | 20        |                 |
| 1,3-Dichloropropane   | 50.8   | 1.0             | 0.63 | ug/kg | 50.0        | ND                        | 102       | 65-140      | 17  | 25        |                 |
| 2,2-Dichloropropane   | 53.8   | 1.0             | 0.60 | ug/kg | 50.0        | ND                        | 108       | 65-150      | 14  | 25        |                 |

TestAmerica Irvine

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I11112 Extracted: 09/11/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I11112-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0508-01</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                     | 49.1   | 1.0             | 0.44 | ug/kg | 50.0        | ND                        | 98        | 70-135      | 15  | 25        |                 |
| trans-1,3-Dichloropropene                                   | 39.5   | 1.0             | 0.61 | ug/kg | 50.0        | ND                        | 79        | 60-145      | 14  | 25        |                 |
| 1,1-Dichloropropene   | 45.8   | 1.0             | 0.40 | ug/kg | 50.0        | ND                        | 92        | 65-135      | 12  | 20        |                 |
| Ethylbenzene  | 42.3   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 85        | 70-135      | 20  | 25        |                 |
| Hexachlorobutadiene   | 30.6   | 2.0             | 0.80 | ug/kg | 50.0        | ND                        | 61        | 50-145      | 21  | 35        | I               |
| 2-Hexanone  | 40.5   | 10              | 9.1  | ug/kg | 50.0        | ND                        | 81        | 35-160      | 18  | 40        |                 |
| Isopropylbenzene  | 67.2   | 1.0             | 0.54 | ug/kg | 50.0        | ND                        | 134       | 70-145      | 24  | 25        | I               |
| p-Isopropyltoluene  | 53.4   | 1.0             | 0.72 | ug/kg | 50.0        | ND                        | 107       | 60-140      | 24  | 25        | I               |
| 4-Methyl-2-pentanone (MIBK)                                 | 39.1   | 5.0             | 4.5  | ug/kg | 50.0        | ND                        | 78        | 40-155      | 13  | 40        |                 |
| Methylene chloride  | 44.1   | 10              | 6.5  | ug/kg | 50.0        | ND                        | 88        | 55-145      | 14  | 25        |                 |
| Naphthalene   | 27.3   | 2.0             | 1.1  | ug/kg | 50.0        | ND                        | 55        | 40-150      | 25  | 40        | I               |
| n-Propylbenzene   | 56.5   | 1.0             | 0.61 | ug/kg | 50.0        | ND                        | 113       | 65-140      | 22  | 25        | I               |
| Styrene   | 38.2   | 1.0             | 0.58 | ug/kg | 50.0        | ND                        | 76        | 70-140      | 18  | 25        |                 |
| 1,1,1,2-Tetrachloroethane                                   | 52.1   | 2.0             | 0.57 | ug/kg | 50.0        | ND                        | 104       | 65-145      | 16  | 20        |                 |
| 1,1,2,2-Tetrachloroethane                                   | 59.5   | 2.0             | 0.86 | ug/kg | 50.0        | ND                        | 119       | 40-160      | 23  | 30        | I               |
| Tetrachloroethene   | 49.3   | 1.0             | 0.49 | ug/kg | 50.0        | ND                        | 99        | 65-135      | 19  | 25        |                 |
| Toluene   | 40.8   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 82        | 70-130      | 16  | 20        |                 |
| 1,2,3-Trichlorobenzene                                      | 21.8   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 44        | 45-145      | 32  | 30        | I, M2, R-3      |
| 1,2,4-Trichlorobenzene                                      | 24.2   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 48        | 50-140      | 28  | 30        | I, M2           |
| 1,1,1-Trichloroethane                                       | 48.7   | 1.0             | 0.70 | ug/kg | 50.0        | ND                        | 97        | 65-145      | 16  | 20        |                 |
| 1,1,2-Trichloroethane                                       | 41.7   | 1.0             | 0.87 | ug/kg | 50.0        | ND                        | 83        | 65-140      | 12  | 30        |                 |
| Trichloroethene   | 48.3   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 97        | 65-140      | 12  | 25        |                 |
| Trichlorofluoromethane                                      | 54.9   | 2.0             | 0.54 | ug/kg | 50.0        | ND                        | 110       | 55-155      | 13  | 25        |                 |
| 1,2,3-Trichloropropane                                      | 70.1   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 140       | 50-150      | 19  | 30        | I               |
| 1,2,4-Trimethylbenzene                                      | 57.9   | 1.0             | 0.78 | ug/kg | 50.0        | ND                        | 116       | 65-140      | 27  | 25        | I, R-3          |
| 1,3,5-Trimethylbenzene                                      | 61.3   | 1.0             | 0.63 | ug/kg | 50.0        | ND                        | 123       | 65-135      | 23  | 25        | I               |
| Vinyl acetate   | ND     | 5.0             | 2.5  | ug/kg | 50.0        | ND                        |           | 40-150      |     | 30        | M2              |
| Vinyl chloride  | 45.3   | 2.0             | 0.91 | ug/kg | 50.0        | ND                        | 91        | 55-140      | 12  | 30        |                 |
| m,p-Xylenes   | 82.7   | 2.0             | 0.80 | ug/kg | 100         | ND                        | 83        | 70-130      | 15  | 25        |                 |
| o-Xylene  | 41.7   | 1.0             | 0.50 | ug/kg | 50.0        | ND                        | 83        | 65-130      | 19  | 25        |                 |
| Methyl-tert-butyl Ether (MTBE)                              | 50.2   | 2.0             | 1.0  | ug/kg | 50.0        | ND                        | 100       | 55-155      | 13  | 35        |                 |
| Surrogate: 4-Bromofluorobenzene                             | 41.5   |                 |      | ug/kg | 50.0        |                           | 83        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                             | 52.3   |                 |      | ug/kg | 50.0        |                           | 105       | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                       | 46.6   |                 |      | ug/kg | 50.0        |                           | 93        | 80-120      |     |           |                 |

#### TestAmerica Irvine

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Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/12/2009 (9I12019-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Acetone  | ND     | 10              | 8.0  | ug/kg |             |               |           |             |         |           | MI              |
| Benzene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromobenzene                                     | ND     | 2.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| Bromochloromethane                               | ND     | 2.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| Bromodichloromethane                             | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromoform  | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Bromomethane                                     | ND     | 2.0             | 0.92 | ug/kg |             |               |           |             |         |           |                 |
| 2-Butanone (MEK)                                 | ND     | 10              | 6.0  | ug/kg |             |               |           |             |         |           |                 |
| n-Butylbenzene                                   | ND     | 2.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| sec-Butylbenzene                                 | ND     | 2.0             | 0.67 | ug/kg |             |               |           |             |         |           |                 |
| tert-Butylbenzene                                | ND     | 2.0             | 0.62 | ug/kg |             |               |           |             |         |           |                 |
| Carbon Disulfide                                 | ND     | 5.0             | 0.97 | ug/kg |             |               |           |             |         |           |                 |
| Carbon tetrachloride                             | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chlorobenzene                                    | ND     | 1.0             | 0.52 | ug/kg |             |               |           |             |         |           |                 |
| Chloroethane                                     | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Chloroform                                       | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chloromethane                                    | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorotoluene                                  | ND     | 2.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 5.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/12/2009 (9I12019-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           |                 |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |         |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |         |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |         |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 45.4   |                 |      | ug/kg | 50.0        |               | 91        | 80-120      |         |           |                 |
| Surrogate: Dibromofluoromethane                  | 47.5   |                 |      | ug/kg | 50.0        |               | 95        | 80-125      |         |           |                 |
| Surrogate: Toluene-d8                            | 49.5   |                 |      | ug/kg | 50.0        |               | 99        | 80-120      |         |           |                 |

TestAmerica Irvine

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/12/2009 (9I12019-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone                                       | 50.7   | 10              | 8.0  | ug/kg | 50.0        |               | 101       | 25-145      |     |           |                 |
| Benzene                                       | 48.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 96        | 65-120      |     |           |                 |
| Bromobenzene                                  | 51.5   | 2.0             | 0.84 | ug/kg | 50.0        |               | 103       | 75-120      |     |           |                 |
| Bromochloromethane                            | 55.3   | 2.0             | 0.90 | ug/kg | 50.0        |               | 111       | 70-135      |     |           |                 |
| Bromodichloromethane                          | 49.8   | 1.0             | 0.50 | ug/kg | 50.0        |               | 100       | 70-135      |     |           |                 |
| Bromoform                                     | 43.0   | 2.0             | 0.80 | ug/kg | 50.0        |               | 86        | 55-135      |     |           |                 |
| Bromomethane                                  | 49.2   | 2.0             | 0.92 | ug/kg | 50.0        |               | 98        | 60-145      |     |           |                 |
| 2-Butanone (MEK)                              | 60.0   | 10              | 6.0  | ug/kg | 50.0        |               | 120       | 40-145      |     |           |                 |
| n-Butylbenzene                                | 53.8   | 2.0             | 0.72 | ug/kg | 50.0        |               | 108       | 70-130      |     |           |                 |
| sec-Butylbenzene                              | 53.7   | 2.0             | 0.67 | ug/kg | 50.0        |               | 107       | 70-125      |     |           |                 |
| tert-Butylbenzene                             | 50.0   | 2.0             | 0.62 | ug/kg | 50.0        |               | 100       | 70-125      |     |           |                 |
| Carbon Disulfide                              | 51.9   | 5.0             | 0.97 | ug/kg | 50.0        |               | 104       | 50-130      |     |           |                 |
| Carbon tetrachloride                          | 51.0   | 2.0             | 0.50 | ug/kg | 50.0        |               | 102       | 65-140      |     |           |                 |
| Chlorobenzene                                 | 49.1   | 1.0             | 0.52 | ug/kg | 50.0        |               | 98        | 75-120      |     |           |                 |
| Chloroethane                                  | 49.7   | 2.0             | 1.5  | ug/kg | 50.0        |               | 99        | 60-140      |     |           |                 |
| Chloroform                                    | 46.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 94        | 70-130      |     |           |                 |
| Chloromethane                                 | 50.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 100       | 45-145      |     |           |                 |
| 2-Chlorotoluene                               | 50.3   | 2.0             | 0.87 | ug/kg | 50.0        |               | 101       | 70-125      |     |           |                 |
| 4-Chlorotoluene                               | 51.5   | 2.0             | 0.74 | ug/kg | 50.0        |               | 103       | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                   | 47.0   | 10              | 1.5  | ug/kg | 50.0        |               | 94        | 50-135      |     |           |                 |
| Dibromochloromethane                          | 48.9   | 1.0             | 0.70 | ug/kg | 50.0        |               | 98        | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                       | 51.0   | 1.0             | 0.80 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| Dibromomethane                                | 51.8   | 1.0             | 0.90 | ug/kg | 50.0        |               | 104       | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                           | 52.2   | 1.0             | 0.95 | ug/kg | 50.0        |               | 104       | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 52.0   | 1.0             | 0.84 | ug/kg | 50.0        |               | 104       | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                           | 50.5   | 1.0             | 0.94 | ug/kg | 50.0        |               | 101       | 75-120      |     |           |                 |
| Dichlorodifluoromethane                       | 50.9   | 5.0             | 1.5  | ug/kg | 50.0        |               | 102       | 35-160      |     |           |                 |
| 1,1-Dichloroethane                            | 51.7   | 1.0             | 0.50 | ug/kg | 50.0        |               | 103       | 70-130      |     |           |                 |
| 1,2-Dichloroethane                            | 45.8   | 1.0             | 0.80 | ug/kg | 50.0        |               | 92        | 60-140      |     |           |                 |
| 1,1-Dichloroethene                            | 52.4   | 2.0             | 0.60 | ug/kg | 50.0        |               | 105       | 70-125      |     |           |                 |
| cis-1,2-Dichloroethene                        | 55.8   | 1.0             | 0.83 | ug/kg | 50.0        |               | 112       | 70-125      |     |           |                 |
| trans-1,2-Dichloroethene                      | 52.8   | 1.0             | 0.70 | ug/kg | 50.0        |               | 106       | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 50.5   | 1.0             | 0.80 | ug/kg | 50.0        |               | 101       | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 51.5   | 1.0             | 0.63 | ug/kg | 50.0        |               | 103       | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 53.5   | 1.0             | 0.60 | ug/kg | 50.0        |               | 107       | 60-145      |     |           |                 |

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Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/12/2009 (9I12019-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,3-Dichloropropene                       | 64.5   | 1.0             | 0.44 | ug/kg | 50.0        |               | 129       | 75-125      |     |           | L               |
| trans-1,3-Dichloropropene                     | 50.7   | 1.0             | 0.61 | ug/kg | 50.0        |               | 101       | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 50.8   | 1.0             | 0.40 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| Ethylbenzene                                  | 48.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 98        | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 48.1   | 2.0             | 0.80 | ug/kg | 50.0        |               | 96        | 60-135      |     |           |                 |
| 2-Hexanone                                    | 53.7   | 10              | 9.1  | ug/kg | 50.0        |               | 107       | 40-150      |     |           |                 |
| Isopropylbenzene                              | 51.5   | 1.0             | 0.54 | ug/kg | 50.0        |               | 103       | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 50.9   | 1.0             | 0.72 | ug/kg | 50.0        |               | 102       | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 54.8   | 5.0             | 4.5  | ug/kg | 50.0        |               | 110       | 40-145      |     |           |                 |
| Methylene chloride                            | 51.6   | 10              | 6.5  | ug/kg | 50.0        |               | 103       | 55-135      |     |           |                 |
| Naphthalene                                   | 59.3   | 2.0             | 1.1  | ug/kg | 50.0        |               | 119       | 55-135      |     |           |                 |
| n-Propylbenzene                               | 50.6   | 1.0             | 0.61 | ug/kg | 50.0        |               | 101       | 70-130      |     |           |                 |
| Styrene                                       | 53.4   | 1.0             | 0.58 | ug/kg | 50.0        |               | 107       | 75-130      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                     | 51.6   | 2.0             | 0.57 | ug/kg | 50.0        |               | 103       | 70-130      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                     | 55.3   | 2.0             | 0.86 | ug/kg | 50.0        |               | 111       | 55-140      |     |           |                 |
| Tetrachloroethene                             | 47.6   | 1.0             | 0.49 | ug/kg | 50.0        |               | 95        | 70-125      |     |           |                 |
| Toluene                                       | 50.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 102       | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                        | 53.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 107       | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 54.4   | 2.0             | 1.0  | ug/kg | 50.0        |               | 109       | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                         | 50.1   | 1.0             | 0.70 | ug/kg | 50.0        |               | 100       | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                         | 53.1   | 1.0             | 0.87 | ug/kg | 50.0        |               | 106       | 65-135      |     |           |                 |
| Trichloroethene                               | 48.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 97        | 70-125      |     |           |                 |
| Trichlorofluoromethane                        | 43.9   | 2.0             | 0.54 | ug/kg | 50.0        |               | 88        | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                        | 52.5   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                        | 53.9   | 1.0             | 0.78 | ug/kg | 50.0        |               | 108       | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                        | 52.4   | 1.0             | 0.63 | ug/kg | 50.0        |               | 105       | 70-125      |     |           |                 |
| Vinyl acetate                                 | 59.9   | 5.0             | 2.5  | ug/kg | 50.0        |               | 120       | 45-145      |     |           |                 |
| Vinyl chloride                                | 49.0   | 2.0             | 0.91 | ug/kg | 50.0        |               | 98        | 55-135      |     |           |                 |
| m,p-Xylenes                                   | 101    | 2.0             | 0.80 | ug/kg | 100         |               | 101       | 70-125      |     |           |                 |
| o-Xylene                                      | 50.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 100       | 70-125      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                | 52.2   | 2.0             | 1.0  | ug/kg | 50.0        |               | 104       | 60-140      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene               | 46.6   |                 |      | ug/kg | 50.0        |               | 93        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane               | 49.6   |                 |      | ug/kg | 50.0        |               | 99        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                         | 50.2   |                 |      | ug/kg | 50.0        |               | 100       | 80-120      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 09/12/2009 (9I12019-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone  | 46.2   | 10              | 8.0  | ug/kg | 50.0        |               | 92        | 25-145      | 9   | 30        |                 |
| Benzene  | 52.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 105       | 65-120      | 8   | 20        |                 |
| Bromobenzene                                       | 57.7   | 2.0             | 0.84 | ug/kg | 50.0        |               | 115       | 75-120      | 11  | 20        |                 |
| Bromochloromethane                                 | 58.9   | 2.0             | 0.90 | ug/kg | 50.0        |               | 118       | 70-135      | 6   | 20        |                 |
| Bromodichloromethane                               | 54.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-135      | 8   | 20        |                 |
| Bromoform  | 47.1   | 2.0             | 0.80 | ug/kg | 50.0        |               | 94        | 55-135      | 9   | 25        |                 |
| Bromomethane                                       | 48.4   | 2.0             | 0.92 | ug/kg | 50.0        |               | 97        | 60-145      | 2   | 20        |                 |
| 2-Butanone (MEK)                                   | 60.4   | 10              | 6.0  | ug/kg | 50.0        |               | 121       | 40-145      | 1   | 35        |                 |
| n-Butylbenzene                                     | 59.2   | 2.0             | 0.72 | ug/kg | 50.0        |               | 118       | 70-130      | 10  | 20        |                 |
| sec-Butylbenzene                                   | 59.0   | 2.0             | 0.67 | ug/kg | 50.0        |               | 118       | 70-125      | 9   | 20        |                 |
| tert-Butylbenzene                                  | 57.3   | 2.0             | 0.62 | ug/kg | 50.0        |               | 115       | 70-125      | 14  | 20        |                 |
| Carbon Disulfide                                   | 55.5   | 5.0             | 0.97 | ug/kg | 50.0        |               | 111       | 50-130      | 7   | 20        |                 |
| Carbon tetrachloride                               | 54.7   | 2.0             | 0.50 | ug/kg | 50.0        |               | 109       | 65-140      | 7   | 20        |                 |
| Chlorobenzene                                      | 54.8   | 1.0             | 0.52 | ug/kg | 50.0        |               | 110       | 75-120      | 11  | 20        |                 |
| Chloroethane                                       | 49.7   | 2.0             | 1.5  | ug/kg | 50.0        |               | 99        | 60-140      | 0   | 25        |                 |
| Chloroform   | 49.7   | 1.0             | 0.50 | ug/kg | 50.0        |               | 99        | 70-130      | 6   | 20        |                 |
| Chloromethane                                      | 48.1   | 2.0             | 1.0  | ug/kg | 50.0        |               | 96        | 45-145      | 4   | 25        |                 |
| 2-Chlorotoluene                                    | 58.2   | 2.0             | 0.87 | ug/kg | 50.0        |               | 116       | 70-125      | 14  | 20        |                 |
| 4-Chlorotoluene                                    | 58.7   | 2.0             | 0.74 | ug/kg | 50.0        |               | 117       | 75-125      | 13  | 20        |                 |
| 1,2-Dibromo-3-chloropropane                        | 51.7   | 10              | 1.5  | ug/kg | 50.0        |               | 103       | 50-135      | 10  | 30        |                 |
| Dibromochloromethane                               | 54.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 108       | 65-140      | 10  | 20        |                 |
| 1,2-Dibromoethane (EDB)                            | 58.4   | 1.0             | 0.80 | ug/kg | 50.0        |               | 117       | 70-130      | 13  | 20        |                 |
| Dibromomethane                                     | 56.9   | 1.0             | 0.90 | ug/kg | 50.0        |               | 114       | 70-130      | 9   | 20        |                 |
| 1,2-Dichlorobenzene                                | 57.1   | 1.0             | 0.95 | ug/kg | 50.0        |               | 114       | 75-120      | 9   | 20        |                 |
| 1,3-Dichlorobenzene                                | 56.4   | 1.0             | 0.84 | ug/kg | 50.0        |               | 113       | 75-125      | 8   | 20        |                 |
| 1,4-Dichlorobenzene                                | 54.9   | 1.0             | 0.94 | ug/kg | 50.0        |               | 110       | 75-120      | 8   | 20        |                 |
| Dichlorodifluoromethane                            | 43.1   | 5.0             | 1.5  | ug/kg | 50.0        |               | 86        | 35-160      | 17  | 30        |                 |
| 1,1-Dichloroethane                                 | 54.9   | 1.0             | 0.50 | ug/kg | 50.0        |               | 110       | 70-130      | 6   | 20        |                 |
| 1,2-Dichloroethane                                 | 48.1   | 1.0             | 0.80 | ug/kg | 50.0        |               | 96        | 60-140      | 5   | 20        |                 |
| 1,1-Dichloroethene                                 | 55.6   | 2.0             | 0.60 | ug/kg | 50.0        |               | 111       | 70-125      | 6   | 20        |                 |
| cis-1,2-Dichloroethene                             | 60.2   | 1.0             | 0.83 | ug/kg | 50.0        |               | 120       | 70-125      | 8   | 20        |                 |
| trans-1,2-Dichloroethene                           | 57.1   | 1.0             | 0.70 | ug/kg | 50.0        |               | 114       | 70-125      | 8   | 20        |                 |
| 1,2-Dichloropropane                                | 55.0   | 1.0             | 0.80 | ug/kg | 50.0        |               | 110       | 70-130      | 9   | 20        |                 |
| 1,3-Dichloropropane                                | 57.4   | 1.0             | 0.63 | ug/kg | 50.0        |               | 115       | 70-125      | 11  | 20        |                 |
| 2,2-Dichloropropane                                | 57.3   | 1.0             | 0.60 | ug/kg | 50.0        |               | 115       | 60-145      | 7   | 20        |                 |

#### TestAmerica Irvine

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Project Manager

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>          |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Dup Analyzed: 09/12/2009 (9I12019-BSD1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,3-Dichloropropene                            | 70.4   | 1.0             | 0.44 | ug/kg | 50.0        |               | 141       | 75-125      | 9   | 20        | L               |
| trans-1,3-Dichloropropene                          | 54.3   | 1.0             | 0.61 | ug/kg | 50.0        |               | 109       | 70-135      | 7   | 20        |                 |
| 1,1-Dichloropropene                                | 55.3   | 1.0             | 0.40 | ug/kg | 50.0        |               | 111       | 70-130      | 9   | 20        |                 |
| Ethylbenzene                                       | 54.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 109       | 70-125      | 11  | 20        |                 |
| Hexachlorobutadiene                                | 51.3   | 2.0             | 0.80 | ug/kg | 50.0        |               | 103       | 60-135      | 7   | 20        |                 |
| 2-Hexanone   | 56.4   | 10              | 9.1  | ug/kg | 50.0        |               | 113       | 40-150      | 5   | 35        |                 |
| Isopropylbenzene                                   | 58.6   | 1.0             | 0.54 | ug/kg | 50.0        |               | 117       | 75-130      | 13  | 20        |                 |
| p-Isopropyltoluene                                 | 56.0   | 1.0             | 0.72 | ug/kg | 50.0        |               | 112       | 75-125      | 10  | 20        |                 |
| 4-Methyl-2-pentanone (MIBK)                        | 56.3   | 5.0             | 4.5  | ug/kg | 50.0        |               | 113       | 40-145      | 3   | 35        |                 |
| Methylene chloride                                 | 55.8   | 10              | 6.5  | ug/kg | 50.0        |               | 112       | 55-135      | 8   | 20        |                 |
| Naphthalene  | 64.4   | 2.0             | 1.1  | ug/kg | 50.0        |               | 129       | 55-135      | 8   | 25        |                 |
| n-Propylbenzene                                    | 57.5   | 1.0             | 0.61 | ug/kg | 50.0        |               | 115       | 70-130      | 13  | 20        |                 |
| Styrene  | 59.8   | 1.0             | 0.58 | ug/kg | 50.0        |               | 120       | 75-130      | 11  | 20        |                 |
| 1,1,1,2-Tetrachloroethane                          | 56.4   | 2.0             | 0.57 | ug/kg | 50.0        |               | 113       | 70-130      | 9   | 20        |                 |
| 1,1,2,2-Tetrachloroethane                          | 60.7   | 2.0             | 0.86 | ug/kg | 50.0        |               | 121       | 55-140      | 9   | 30        |                 |
| Tetrachloroethene                                  | 54.6   | 1.0             | 0.49 | ug/kg | 50.0        |               | 109       | 70-125      | 14  | 20        |                 |
| Toluene  | 54.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 108       | 70-125      | 6   | 20        |                 |
| 1,2,3-Trichlorobenzene                             | 58.1   | 2.0             | 1.0  | ug/kg | 50.0        |               | 116       | 60-130      | 8   | 20        |                 |
| 1,2,4-Trichlorobenzene                             | 60.0   | 2.0             | 1.0  | ug/kg | 50.0        |               | 120       | 70-135      | 10  | 20        |                 |
| 1,1,1-Trichloroethane                              | 52.2   | 1.0             | 0.70 | ug/kg | 50.0        |               | 104       | 65-135      | 4   | 20        |                 |
| 1,1,2-Trichloroethane                              | 55.9   | 1.0             | 0.87 | ug/kg | 50.0        |               | 112       | 65-135      | 5   | 20        |                 |
| Trichloroethene                                    | 52.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 104       | 70-125      | 7   | 20        |                 |
| Trichlorofluoromethane                             | 44.2   | 2.0             | 0.54 | ug/kg | 50.0        |               | 88        | 60-145      | 1   | 25        |                 |
| 1,2,3-Trichloropropane                             | 56.7   | 2.0             | 1.0  | ug/kg | 50.0        |               | 113       | 60-135      | 8   | 25        |                 |
| 1,2,4-Trimethylbenzene                             | 59.8   | 1.0             | 0.78 | ug/kg | 50.0        |               | 120       | 70-125      | 10  | 20        |                 |
| 1,3,5-Trimethylbenzene                             | 59.1   | 1.0             | 0.63 | ug/kg | 50.0        |               | 118       | 70-125      | 12  | 20        |                 |
| Vinyl acetate                                      | 61.5   | 5.0             | 2.5  | ug/kg | 50.0        |               | 123       | 45-145      | 3   | 20        |                 |
| Vinyl chloride                                     | 48.1   | 2.0             | 0.91 | ug/kg | 50.0        |               | 96        | 55-135      | 2   | 25        |                 |
| m,p-Xylenes  | 109    | 2.0             | 0.80 | ug/kg | 100         |               | 109       | 70-125      | 8   | 20        |                 |
| o-Xylene   | 55.3   | 1.0             | 0.50 | ug/kg | 50.0        |               | 111       | 70-125      | 10  | 20        |                 |
| Methyl-tert-butyl Ether (MTBE)                     | 55.3   | 2.0             | 1.0  | ug/kg | 50.0        |               | 111       | 60-140      | 6   | 25        |                 |
| Surrogate: 4-Bromofluorobenzene                    | 46.7   |                 |      | ug/kg | 50.0        |               | 93        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                    | 47.7   |                 |      | ug/kg | 50.0        |               | 95        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                              | 49.6   |                 |      | ug/kg | 50.0        |               | 99        | 80-120      |     |           |                 |

TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9112019 Extracted: 09/12/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/12/2009 (9112019-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| Acetone  | 72.2   | 9.8             | 7.8  | ug/kg | 49.0        | ND                        | 147       | 20-145      |     |           | MI              |
| Benzene  | 51.2   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 105       | 65-130      |     |           |                 |
| Bromobenzene   | 60.3   | 2.0             | 0.82 | ug/kg | 49.0        | ND                        | 123       | 65-140      |     |           |                 |
| Bromochloromethane                                     | 58.7   | 2.0             | 0.88 | ug/kg | 49.0        | ND                        | 120       | 65-145      |     |           |                 |
| Bromodichloromethane                                   | 51.7   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 105       | 65-145      |     |           |                 |
| Bromoform  | 46.4   | 2.0             | 0.78 | ug/kg | 49.0        | ND                        | 95        | 50-145      |     |           |                 |
| Bromomethane   | 50.2   | 2.0             | 0.90 | ug/kg | 49.0        | ND                        | 102       | 60-155      |     |           |                 |
| 2-Butanone (MEK)                                       | 55.5   | 9.8             | 5.9  | ug/kg | 49.0        | ND                        | 113       | 25-170      |     |           |                 |
| n-Butylbenzene   | 47.8   | 2.0             | 0.71 | ug/kg | 49.0        | ND                        | 98        | 55-145      |     |           |                 |
| sec-Butylbenzene                                       | 53.3   | 2.0             | 0.66 | ug/kg | 49.0        | ND                        | 109       | 60-135      |     |           |                 |
| tert-Butylbenzene                                      | 53.9   | 2.0             | 0.61 | ug/kg | 49.0        | ND                        | 110       | 60-140      |     |           |                 |
| Carbon Disulfide                                       | 53.5   | 4.9             | 0.95 | ug/kg | 49.0        | ND                        | 109       | 40-140      |     |           |                 |
| Carbon tetrachloride                                   | 50.2   | 2.0             | 0.49 | ug/kg | 49.0        | ND                        | 102       | 60-145      |     |           |                 |
| Chlorobenzene  | 51.6   | 0.98            | 0.51 | ug/kg | 49.0        | ND                        | 105       | 70-130      |     |           |                 |
| Chloroethane   | 52.3   | 2.0             | 1.5  | ug/kg | 49.0        | ND                        | 107       | 60-150      |     |           |                 |
| Chloroform   | 48.5   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 99        | 65-135      |     |           |                 |
| Chloromethane  | 54.0   | 2.0             | 0.98 | ug/kg | 49.0        | ND                        | 110       | 40-145      |     |           |                 |
| 2-Chlorotoluene  | 56.3   | 2.0             | 0.85 | ug/kg | 49.0        | ND                        | 115       | 60-135      |     |           |                 |
| 4-Chlorotoluene  | 56.5   | 2.0             | 0.73 | ug/kg | 49.0        | ND                        | 115       | 65-135      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                            | 56.4   | 9.8             | 1.5  | ug/kg | 49.0        | ND                        | 115       | 40-150      |     |           |                 |
| Dibromochloromethane                                   | 55.5   | 0.98            | 0.69 | ug/kg | 49.0        | ND                        | 113       | 60-145      |     |           |                 |
| 1,2-Dibromoethane (EDB)                                | 60.4   | 0.98            | 0.78 | ug/kg | 49.0        | ND                        | 123       | 65-140      |     |           |                 |
| Dibromomethane   | 54.6   | 0.98            | 0.88 | ug/kg | 49.0        | ND                        | 111       | 65-140      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 51.3   | 0.98            | 0.93 | ug/kg | 49.0        | ND                        | 105       | 70-130      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 52.3   | 0.98            | 0.82 | ug/kg | 49.0        | ND                        | 107       | 70-130      |     |           |                 |
| 1,4-Dichlorobenzene                                    | 51.0   | 0.98            | 0.92 | ug/kg | 49.0        | ND                        | 104       | 70-130      |     |           |                 |
| Dichlorodifluoromethane                                | 53.6   | 4.9             | 1.5  | ug/kg | 49.0        | ND                        | 109       | 30-160      |     |           |                 |
| 1,1-Dichloroethane                                     | 55.0   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 112       | 65-135      |     |           |                 |
| 1,2-Dichloroethane                                     | 48.4   | 0.98            | 0.78 | ug/kg | 49.0        | ND                        | 99        | 60-150      |     |           |                 |
| 1,1-Dichloroethene                                     | 55.7   | 2.0             | 0.59 | ug/kg | 49.0        | ND                        | 114       | 65-135      |     |           |                 |
| cis-1,2-Dichloroethene                                 | 58.8   | 0.98            | 0.81 | ug/kg | 49.0        | ND                        | 120       | 65-135      |     |           |                 |
| trans-1,2-Dichloroethene                               | 56.3   | 0.98            | 0.69 | ug/kg | 49.0        | ND                        | 115       | 70-135      |     |           |                 |
| 1,2-Dichloropropane                                    | 53.6   | 0.98            | 0.78 | ug/kg | 49.0        | ND                        | 109       | 65-130      |     |           |                 |
| 1,3-Dichloropropane                                    | 61.1   | 0.98            | 0.62 | ug/kg | 49.0        | ND                        | 125       | 65-140      |     |           |                 |
| 2,2-Dichloropropane                                    | 55.5   | 0.98            | 0.59 | ug/kg | 49.0        | ND                        | 113       | 65-150      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/12/2009 (9I12019-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                | 66.5   | 0.98            | 0.43 | ug/kg | 49.0        | ND                        | 136       | 70-135      |     |           | M7              |
| trans-1,3-Dichloropropene                              | 50.6   | 0.98            | 0.60 | ug/kg | 49.0        | ND                        | 103       | 60-145      |     |           |                 |
| 1,1-Dichloropropene                                    | 51.5   | 0.98            | 0.39 | ug/kg | 49.0        | ND                        | 105       | 65-135      |     |           |                 |
| Ethylbenzene   | 50.9   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 104       | 70-135      |     |           |                 |
| Hexachlorobutadiene                                    | 33.2   | 2.0             | 0.78 | ug/kg | 49.0        | ND                        | 68        | 50-145      |     |           |                 |
| 2-Hexanone   | 53.4   | 9.8             | 8.9  | ug/kg | 49.0        | ND                        | 109       | 35-160      |     |           |                 |
| Isopropylbenzene                                       | 59.2   | 0.98            | 0.53 | ug/kg | 49.0        | ND                        | 121       | 70-145      |     |           |                 |
| p-Isopropyltoluene                                     | 49.8   | 0.98            | 0.71 | ug/kg | 49.0        | ND                        | 102       | 60-140      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                            | 54.4   | 4.9             | 4.4  | ug/kg | 49.0        | ND                        | 111       | 40-155      |     |           |                 |
| Methylene chloride                                     | 56.5   | 9.8             | 6.4  | ug/kg | 49.0        | ND                        | 115       | 55-145      |     |           |                 |
| Naphthalene  | 50.0   | 2.0             | 1.1  | ug/kg | 49.0        | ND                        | 102       | 40-150      |     |           |                 |
| n-Propylbenzene  | 56.4   | 0.98            | 0.60 | ug/kg | 49.0        | ND                        | 115       | 65-140      |     |           |                 |
| Styrene  | 55.5   | 0.98            | 0.57 | ug/kg | 49.0        | ND                        | 113       | 70-140      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                              | 55.5   | 2.0             | 0.56 | ug/kg | 49.0        | ND                        | 113       | 65-145      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                              | 70.6   | 2.0             | 0.84 | ug/kg | 49.0        | ND                        | 144       | 40-160      |     |           |                 |
| Tetrachloroethene                                      | 49.3   | 0.98            | 0.48 | ug/kg | 49.0        | ND                        | 101       | 65-135      |     |           |                 |
| Toluene  | 51.2   | 0.98            | 0.49 | ug/kg | 49.0        | 0.771                     | 103       | 70-130      |     |           |                 |
| 1,2,3-Trichlorobenzene                                 | 38.7   | 2.0             | 0.98 | ug/kg | 49.0        | ND                        | 79        | 45-145      |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | 41.6   | 2.0             | 0.98 | ug/kg | 49.0        | ND                        | 85        | 50-140      |     |           |                 |
| 1,1,1-Trichloroethane                                  | 50.1   | 0.98            | 0.69 | ug/kg | 49.0        | ND                        | 102       | 65-145      |     |           |                 |
| 1,1,2-Trichloroethane                                  | 54.4   | 0.98            | 0.85 | ug/kg | 49.0        | ND                        | 111       | 65-140      |     |           |                 |
| Trichloroethene  | 48.8   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 100       | 65-140      |     |           |                 |
| Trichlorofluoromethane                                 | 43.9   | 2.0             | 0.53 | ug/kg | 49.0        | ND                        | 90        | 55-155      |     |           |                 |
| 1,2,3-Trichloropropane                                 | 68.5   | 2.0             | 0.98 | ug/kg | 49.0        | ND                        | 140       | 50-150      |     |           |                 |
| 1,2,4-Trimethylbenzene                                 | 58.2   | 0.98            | 0.76 | ug/kg | 49.0        | ND                        | 119       | 65-140      |     |           |                 |
| 1,3,5-Trimethylbenzene                                 | 57.5   | 0.98            | 0.62 | ug/kg | 49.0        | ND                        | 117       | 65-135      |     |           |                 |
| Vinyl acetate  | 16.8   | 4.9             | 2.5  | ug/kg | 49.0        | ND                        | 34        | 40-150      |     |           | M2              |
| Vinyl chloride   | 51.9   | 2.0             | 0.89 | ug/kg | 49.0        | ND                        | 106       | 55-140      |     |           |                 |
| m,p-Xylenes  | 101    | 2.0             | 0.78 | ug/kg | 98.0        | ND                        | 103       | 70-130      |     |           |                 |
| o-Xylene   | 51.9   | 0.98            | 0.49 | ug/kg | 49.0        | ND                        | 106       | 65-130      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                         | 55.6   | 2.0             | 0.98 | ug/kg | 49.0        | ND                        | 113       | 55-155      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                        | 43.5   |                 |      | ug/kg | 49.0        |                           | 89        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                        | 47.9   |                 |      | ug/kg | 49.0        |                           | 98        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                  | 47.6   |                 |      | ug/kg | 49.0        |                           | 97        | 80-120      |     |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/12/2009 (9I12019-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| Acetone   | 142    | 9.9             | 8.0  | ug/kg | 49.7        | ND                        | 286       | 20-145      | 65  | 40        | MI, R-3         |
| Benzene   | 50.0   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 101       | 65-130      | 2   | 20        |                 |
| Bromobenzene  | 57.1   | 2.0             | 0.83 | ug/kg | 49.7        | ND                        | 115       | 65-140      | 5   | 25        |                 |
| Bromochloromethane  | 60.7   | 2.0             | 0.89 | ug/kg | 49.7        | ND                        | 122       | 65-145      | 3   | 25        |                 |
| Bromodichloromethane  | 52.4   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 105       | 65-145      | 1   | 20        |                 |
| Bromoform   | 44.6   | 2.0             | 0.80 | ug/kg | 49.7        | ND                        | 90        | 50-145      | 4   | 30        |                 |
| Bromomethane  | 53.4   | 2.0             | 0.91 | ug/kg | 49.7        | ND                        | 108       | 60-155      | 6   | 25        |                 |
| 2-Butanone (MEK)  | 60.3   | 9.9             | 6.0  | ug/kg | 49.7        | ND                        | 121       | 25-170      | 8   | 40        |                 |
| n-Butylbenzene  | 42.4   | 2.0             | 0.72 | ug/kg | 49.7        | ND                        | 85        | 55-145      | 12  | 30        |                 |
| sec-Butylbenzene  | 46.9   | 2.0             | 0.67 | ug/kg | 49.7        | ND                        | 94        | 60-135      | 13  | 25        |                 |
| tert-Butylbenzene   | 48.6   | 2.0             | 0.62 | ug/kg | 49.7        | ND                        | 98        | 60-140      | 10  | 25        |                 |
| Carbon Disulfide  | 53.2   | 5.0             | 0.96 | ug/kg | 49.7        | ND                        | 107       | 40-140      | 1   | 20        |                 |
| Carbon tetrachloride  | 48.1   | 2.0             | 0.50 | ug/kg | 49.7        | ND                        | 97        | 60-145      | 4   | 25        |                 |
| Chlorobenzene   | 48.6   | 0.99            | 0.52 | ug/kg | 49.7        | ND                        | 98        | 70-130      | 6   | 25        |                 |
| Chloroethane  | 56.0   | 2.0             | 1.5  | ug/kg | 49.7        | ND                        | 113       | 60-150      | 7   | 25        |                 |
| Chloroform  | 49.6   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 100       | 65-135      | 2   | 20        |                 |
| Chloromethane   | 57.8   | 2.0             | 0.99 | ug/kg | 49.7        | ND                        | 116       | 40-145      | 7   | 25        |                 |
| 2-Chlorotoluene   | 51.3   | 2.0             | 0.86 | ug/kg | 49.7        | ND                        | 103       | 60-135      | 9   | 25        |                 |
| 4-Chlorotoluene   | 51.9   | 2.0             | 0.74 | ug/kg | 49.7        | ND                        | 105       | 65-135      | 8   | 25        |                 |
| 1,2-Dibromo-3-chloropropane                                 | 60.6   | 9.9             | 1.5  | ug/kg | 49.7        | ND                        | 122       | 40-150      | 7   | 30        |                 |
| Dibromochloromethane  | 54.7   | 0.99            | 0.70 | ug/kg | 49.7        | ND                        | 110       | 60-145      | 1   | 25        |                 |
| 1,2-Dibromoethane (EDB)                                     | 62.2   | 0.99            | 0.80 | ug/kg | 49.7        | ND                        | 125       | 65-140      | 3   | 25        |                 |
| Dibromomethane  | 58.3   | 0.99            | 0.89 | ug/kg | 49.7        | ND                        | 117       | 65-140      | 7   | 25        |                 |
| 1,2-Dichlorobenzene   | 48.9   | 0.99            | 0.94 | ug/kg | 49.7        | ND                        | 98        | 70-130      | 5   | 25        |                 |
| 1,3-Dichlorobenzene   | 48.9   | 0.99            | 0.83 | ug/kg | 49.7        | ND                        | 98        | 70-130      | 7   | 25        |                 |
| 1,4-Dichlorobenzene   | 48.5   | 0.99            | 0.93 | ug/kg | 49.7        | ND                        | 98        | 70-130      | 5   | 25        |                 |
| Dichlorodifluoromethane                                     | 53.4   | 5.0             | 1.5  | ug/kg | 49.7        | ND                        | 107       | 30-160      | 1   | 35        |                 |
| 1,1-Dichloroethane  | 56.6   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 114       | 65-135      | 3   | 25        |                 |
| 1,2-Dichloroethane  | 50.3   | 0.99            | 0.80 | ug/kg | 49.7        | ND                        | 101       | 60-150      | 4   | 25        |                 |
| 1,1-Dichloroethene  | 56.9   | 2.0             | 0.60 | ug/kg | 49.7        | ND                        | 114       | 65-135      | 2   | 25        |                 |
| cis-1,2-Dichloroethene                                      | 60.0   | 0.99            | 0.83 | ug/kg | 49.7        | ND                        | 121       | 65-135      | 2   | 25        |                 |
| trans-1,2-Dichloroethene                                    | 56.7   | 0.99            | 0.70 | ug/kg | 49.7        | ND                        | 114       | 70-135      | 1   | 25        |                 |
| 1,2-Dichloropropane   | 54.2   | 0.99            | 0.80 | ug/kg | 49.7        | ND                        | 109       | 65-130      | 1   | 20        |                 |
| 1,3-Dichloropropane   | 62.9   | 0.99            | 0.63 | ug/kg | 49.7        | ND                        | 127       | 65-140      | 3   | 25        |                 |
| 2,2-Dichloropropane   | 57.8   | 0.99            | 0.60 | ug/kg | 49.7        | ND                        | 116       | 65-150      | 4   | 25        |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I12019 Extracted: 09/12/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/12/2009 (9I12019-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0508-08</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                     | 65.2   | 0.99            | 0.44 | ug/kg | 49.7        | ND                        | 131       | 70-135      | 2   | 25        |                 |
| trans-1,3-Dichloropropene                                   | 51.7   | 0.99            | 0.61 | ug/kg | 49.7        | ND                        | 104       | 60-145      | 2   | 25        |                 |
| 1,1-Dichloropropene   | 48.5   | 0.99            | 0.40 | ug/kg | 49.7        | ND                        | 98        | 65-135      | 6   | 20        |                 |
| Ethylbenzene  | 45.9   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 92        | 70-135      | 10  | 25        |                 |
| Hexachlorobutadiene   | 27.2   | 2.0             | 0.80 | ug/kg | 49.7        | ND                        | 55        | 50-145      | 20  | 35        |                 |
| 2-Hexanone  | 54.8   | 9.9             | 9.0  | ug/kg | 49.7        | ND                        | 110       | 35-160      | 3   | 40        |                 |
| Isopropylbenzene  | 55.1   | 0.99            | 0.54 | ug/kg | 49.7        | ND                        | 111       | 70-145      | 7   | 25        |                 |
| p-Isopropyltoluene  | 44.0   | 0.99            | 0.72 | ug/kg | 49.7        | ND                        | 89        | 60-140      | 12  | 25        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | 57.9   | 5.0             | 4.5  | ug/kg | 49.7        | ND                        | 117       | 40-155      | 6   | 40        |                 |
| Methylene chloride  | 59.6   | 9.9             | 6.5  | ug/kg | 49.7        | ND                        | 120       | 55-145      | 5   | 25        |                 |
| Naphthalene   | 50.1   | 2.0             | 1.1  | ug/kg | 49.7        | ND                        | 101       | 40-150      | 0   | 40        |                 |
| n-Propylbenzene   | 50.9   | 0.99            | 0.61 | ug/kg | 49.7        | ND                        | 102       | 65-140      | 10  | 25        |                 |
| Styrene   | 48.9   | 0.99            | 0.58 | ug/kg | 49.7        | ND                        | 98        | 70-140      | 13  | 25        |                 |
| 1,1,1,2-Tetrachloroethane                                   | 52.1   | 2.0             | 0.57 | ug/kg | 49.7        | ND                        | 105       | 65-145      | 6   | 20        |                 |
| 1,1,2,2-Tetrachloroethane                                   | 76.7   | 2.0             | 0.85 | ug/kg | 49.7        | ND                        | 154       | 40-160      | 8   | 30        |                 |
| Tetrachloroethene   | 44.3   | 0.99            | 0.49 | ug/kg | 49.7        | ND                        | 89        | 65-135      | 11  | 25        |                 |
| Toluene   | 50.1   | 0.99            | 0.50 | ug/kg | 49.7        | 0.771                     | 99        | 70-130      | 2   | 20        |                 |
| 1,2,3-Trichlorobenzene                                      | 36.7   | 2.0             | 0.99 | ug/kg | 49.7        | ND                        | 74        | 45-145      | 5   | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 38.5   | 2.0             | 0.99 | ug/kg | 49.7        | ND                        | 77        | 50-140      | 8   | 30        |                 |
| 1,1,1-Trichloroethane                                       | 50.0   | 0.99            | 0.70 | ug/kg | 49.7        | ND                        | 101       | 65-145      | 0   | 20        |                 |
| 1,1,2-Trichloroethane                                       | 56.4   | 0.99            | 0.86 | ug/kg | 49.7        | ND                        | 114       | 65-140      | 4   | 30        |                 |
| Trichloroethene   | 46.9   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 94        | 65-140      | 4   | 25        |                 |
| Trichlorofluoromethane                                      | 44.5   | 2.0             | 0.54 | ug/kg | 49.7        | ND                        | 89        | 55-155      | 1   | 25        |                 |
| 1,2,3-Trichloropropane                                      | 76.1   | 2.0             | 0.99 | ug/kg | 49.7        | ND                        | 153       | 50-150      | 11  | 30        | M1              |
| 1,2,4-Trimethylbenzene                                      | 53.8   | 0.99            | 0.78 | ug/kg | 49.7        | ND                        | 108       | 65-140      | 8   | 25        |                 |
| 1,3,5-Trimethylbenzene                                      | 51.9   | 0.99            | 0.63 | ug/kg | 49.7        | ND                        | 104       | 65-135      | 10  | 25        |                 |
| Vinyl acetate   | 12.9   | 5.0             | 2.5  | ug/kg | 49.7        | ND                        | 26        | 40-150      | 26  | 30        | M2              |
| Vinyl chloride  | 55.4   | 2.0             | 0.90 | ug/kg | 49.7        | ND                        | 112       | 55-140      | 7   | 30        |                 |
| m,p-Xylenes   | 91.9   | 2.0             | 0.80 | ug/kg | 99.4        | ND                        | 92        | 70-130      | 10  | 25        |                 |
| o-Xylene  | 47.3   | 0.99            | 0.50 | ug/kg | 49.7        | ND                        | 95        | 65-130      | 9   | 25        |                 |
| Methyl-tert-butyl Ether (MTBE)                              | 59.2   | 2.0             | 0.99 | ug/kg | 49.7        | ND                        | 119       | 55-155      | 6   | 35        |                 |
| Surrogate: 4-Bromofluorobenzene                             | 43.7   |                 |      | ug/kg | 49.7        |                           | 88        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                             | 50.7   |                 |      | ug/kg | 49.7        |                           | 102       | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                       | 49.9   |                 |      | ug/kg | 49.7        |                           | 100       | 80-120      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/14/2009 (9I14015-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| Acetone  | ND     | 10              | 8.0  | ug/kg |             |               |           |             |         |           |                 |
| Benzene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromobenzene                                     | ND     | 2.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| Bromochloromethane                               | ND     | 2.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| Bromodichloromethane                             | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Bromoform  | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Bromomethane                                     | ND     | 2.0             | 0.92 | ug/kg |             |               |           |             |         |           |                 |
| 2-Butanone (MEK)                                 | ND     | 10              | 6.0  | ug/kg |             |               |           |             |         |           |                 |
| n-Butylbenzene                                   | ND     | 2.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| sec-Butylbenzene                                 | ND     | 2.0             | 0.67 | ug/kg |             |               |           |             |         |           |                 |
| tert-Butylbenzene                                | ND     | 2.0             | 0.62 | ug/kg |             |               |           |             |         |           |                 |
| Carbon Disulfide                                 | ND     | 5.0             | 0.97 | ug/kg |             |               |           |             |         |           |                 |
| Carbon tetrachloride                             | ND     | 2.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chlorobenzene                                    | ND     | 1.0             | 0.52 | ug/kg |             |               |           |             |         |           |                 |
| Chloroethane                                     | ND     | 2.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Chloroform                                       | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Chloromethane                                    | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorotoluene                                  | ND     | 2.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorotoluene                                  | ND     | 2.0             | 0.74 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromo-3-chloropropane                      | ND     | 10              | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| Dibromochloromethane                             | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dibromoethane (EDB)                          | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| Dibromomethane                                   | ND     | 1.0             | 0.90 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 1.0             | 0.95 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 1.0             | 0.84 | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 1.0             | 0.94 | ug/kg |             |               |           |             |         |           |                 |
| Dichlorodifluoromethane                          | ND     | 5.0             | 1.5  | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethane                               | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloroethane                               | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloroethene                               | ND     | 2.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |
| cis-1,2-Dichloroethene                           | ND     | 1.0             | 0.83 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,2-Dichloroethene                         | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichloropropane                              | ND     | 1.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichloropropane                              | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| 2,2-Dichloropropane                              | ND     | 1.0             | 0.60 | ug/kg |             |               |           |             |         |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>        |        |                 |      |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/14/2009 (9I14015-BLK1)</b> |        |                 |      |       |             |               |           |             |         |           |                 |
| cis-1,3-Dichloropropene                          | ND     | 1.0             | 0.44 | ug/kg |             |               |           |             |         |           |                 |
| trans-1,3-Dichloropropene                        | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| 1,1-Dichloropropene                              | ND     | 1.0             | 0.40 | ug/kg |             |               |           |             |         |           |                 |
| Ethylbenzene                                     | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| 2-Hexanone                                       | ND     | 10              | 9.1  | ug/kg |             |               |           |             |         |           |                 |
| Isopropylbenzene                                 | ND     | 1.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| p-Isopropyltoluene                               | ND     | 1.0             | 0.72 | ug/kg |             |               |           |             |         |           |                 |
| 4-Methyl-2-pentanone (MIBK)                      | ND     | 5.0             | 4.5  | ug/kg |             |               |           |             |         |           |                 |
| Methylene chloride                               | ND     | 10              | 6.5  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 2.0             | 1.1  | ug/kg |             |               |           |             |         |           |                 |
| n-Propylbenzene                                  | ND     | 1.0             | 0.61 | ug/kg |             |               |           |             |         |           |                 |
| Styrene  | ND     | 1.0             | 0.58 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1,2-Tetrachloroethane                        | ND     | 2.0             | 0.57 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2,2-Tetrachloroethane                        | ND     | 2.0             | 0.86 | ug/kg |             |               |           |             |         |           |                 |
| Tetrachloroethene                                | ND     | 1.0             | 0.49 | ug/kg |             |               |           |             |         |           |                 |
| Toluene  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,1,1-Trichloroethane                            | ND     | 1.0             | 0.70 | ug/kg |             |               |           |             |         |           |                 |
| 1,1,2-Trichloroethane                            | ND     | 1.0             | 0.87 | ug/kg |             |               |           |             |         |           |                 |
| Trichloroethene                                  | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Trichlorofluoromethane                           | ND     | 2.0             | 0.54 | ug/kg |             |               |           |             |         |           |                 |
| 1,2,3-Trichloropropane                           | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trimethylbenzene                           | ND     | 1.0             | 0.78 | ug/kg |             |               |           |             |         |           |                 |
| 1,3,5-Trimethylbenzene                           | ND     | 1.0             | 0.63 | ug/kg |             |               |           |             |         |           |                 |
| Vinyl acetate                                    | ND     | 5.0             | 2.5  | ug/kg |             |               |           |             |         |           |                 |
| Vinyl chloride                                   | ND     | 2.0             | 0.91 | ug/kg |             |               |           |             |         |           |                 |
| m,p-Xylenes                                      | ND     | 2.0             | 0.80 | ug/kg |             |               |           |             |         |           |                 |
| o-Xylene   | ND     | 1.0             | 0.50 | ug/kg |             |               |           |             |         |           |                 |
| Methyl-tert-butyl Ether (MTBE)                   | ND     | 2.0             | 1.0  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 4-Bromofluorobenzene                  | 46.4   |                 |      | ug/kg | 50.0        |               | 93        | 80-120      |         |           |                 |
| Surrogate: Dibromofluoromethane                  | 46.0   |                 |      | ug/kg | 50.0        |               | 92        | 80-125      |         |           |                 |
| Surrogate: Toluene-d8                            | 50.0   |                 |      | ug/kg | 50.0        |               | 100       | 80-120      |         |           |                 |

#### TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/14/2009 (9I14015-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| Acetone                                       | 48.5   | 10              | 8.0  | ug/kg | 50.0        |               | 97        | 25-145      |     |           |                 |
| Benzene                                       | 48.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 97        | 65-120      |     |           |                 |
| Bromobenzene                                  | 55.3   | 2.0             | 0.84 | ug/kg | 50.0        |               | 111       | 75-120      |     |           |                 |
| Bromochloromethane                            | 55.0   | 2.0             | 0.90 | ug/kg | 50.0        |               | 110       | 70-135      |     |           |                 |
| Bromodichloromethane                          | 48.2   | 1.0             | 0.50 | ug/kg | 50.0        |               | 96        | 70-135      |     |           |                 |
| Bromoform                                     | 44.4   | 2.0             | 0.80 | ug/kg | 50.0        |               | 89        | 55-135      |     |           |                 |
| Bromomethane                                  | 44.6   | 2.0             | 0.92 | ug/kg | 50.0        |               | 89        | 60-145      |     |           |                 |
| 2-Butanone (MEK)                              | 63.0   | 10              | 6.0  | ug/kg | 50.0        |               | 126       | 40-145      |     |           |                 |
| n-Butylbenzene                                | 52.4   | 2.0             | 0.72 | ug/kg | 50.0        |               | 105       | 70-130      |     |           |                 |
| sec-Butylbenzene                              | 54.1   | 2.0             | 0.67 | ug/kg | 50.0        |               | 108       | 70-125      |     |           |                 |
| tert-Butylbenzene                             | 51.9   | 2.0             | 0.62 | ug/kg | 50.0        |               | 104       | 70-125      |     |           |                 |
| Carbon Disulfide                              | 50.1   | 5.0             | 0.97 | ug/kg | 50.0        |               | 100       | 50-130      |     |           |                 |
| Carbon tetrachloride                          | 46.9   | 2.0             | 0.50 | ug/kg | 50.0        |               | 94        | 65-140      |     |           |                 |
| Chlorobenzene                                 | 49.7   | 1.0             | 0.52 | ug/kg | 50.0        |               | 99        | 75-120      |     |           |                 |
| Chloroethane                                  | 46.9   | 2.0             | 1.5  | ug/kg | 50.0        |               | 94        | 60-140      |     |           |                 |
| Chloroform                                    | 44.5   | 1.0             | 0.50 | ug/kg | 50.0        |               | 89        | 70-130      |     |           |                 |
| Chloromethane                                 | 45.8   | 2.0             | 1.0  | ug/kg | 50.0        |               | 92        | 45-145      |     |           |                 |
| 2-Chlorotoluene                               | 52.5   | 2.0             | 0.87 | ug/kg | 50.0        |               | 105       | 70-125      |     |           |                 |
| 4-Chlorotoluene                               | 52.7   | 2.0             | 0.74 | ug/kg | 50.0        |               | 105       | 75-125      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                   | 50.5   | 10              | 1.5  | ug/kg | 50.0        |               | 101       | 50-135      |     |           |                 |
| Dibromochloromethane                          | 48.5   | 1.0             | 0.70 | ug/kg | 50.0        |               | 97        | 65-140      |     |           |                 |
| 1,2-Dibromoethane (EDB)                       | 52.7   | 1.0             | 0.80 | ug/kg | 50.0        |               | 105       | 70-130      |     |           |                 |
| Dibromomethane                                | 51.1   | 1.0             | 0.90 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| 1,2-Dichlorobenzene                           | 52.9   | 1.0             | 0.95 | ug/kg | 50.0        |               | 106       | 75-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 52.0   | 1.0             | 0.84 | ug/kg | 50.0        |               | 104       | 75-125      |     |           |                 |
| 1,4-Dichlorobenzene                           | 50.1   | 1.0             | 0.94 | ug/kg | 50.0        |               | 100       | 75-120      |     |           |                 |
| Dichlorodifluoromethane                       | 39.5   | 5.0             | 1.5  | ug/kg | 50.0        |               | 79        | 35-160      |     |           |                 |
| 1,1-Dichloroethane                            | 50.4   | 1.0             | 0.50 | ug/kg | 50.0        |               | 101       | 70-130      |     |           |                 |
| 1,2-Dichloroethane                            | 42.1   | 1.0             | 0.80 | ug/kg | 50.0        |               | 84        | 60-140      |     |           |                 |
| 1,1-Dichloroethene                            | 50.4   | 2.0             | 0.60 | ug/kg | 50.0        |               | 101       | 70-125      |     |           |                 |
| cis-1,2-Dichloroethene                        | 55.2   | 1.0             | 0.83 | ug/kg | 50.0        |               | 110       | 70-125      |     |           |                 |
| trans-1,2-Dichloroethene                      | 52.4   | 1.0             | 0.70 | ug/kg | 50.0        |               | 105       | 70-125      |     |           |                 |
| 1,2-Dichloropropane                           | 51.7   | 1.0             | 0.80 | ug/kg | 50.0        |               | 103       | 70-130      |     |           |                 |
| 1,3-Dichloropropane                           | 52.3   | 1.0             | 0.63 | ug/kg | 50.0        |               | 105       | 70-125      |     |           |                 |
| 2,2-Dichloropropane                           | 50.1   | 1.0             | 0.60 | ug/kg | 50.0        |               | 100       | 60-145      |     |           |                 |

#### TestAmerica Irvine

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte                                       | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>     |        |                 |      |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/14/2009 (9I14015-BS1)</b> |        |                 |      |       |             |               |           |             |     |           |                 |
| cis-1,3-Dichloropropene                       | 65.8   | 1.0             | 0.44 | ug/kg | 50.0        |               | 132       | 75-125      |     |           | L               |
| trans-1,3-Dichloropropene                     | 49.8   | 1.0             | 0.61 | ug/kg | 50.0        |               | 100       | 70-135      |     |           |                 |
| 1,1-Dichloropropene                           | 49.6   | 1.0             | 0.40 | ug/kg | 50.0        |               | 99        | 70-130      |     |           |                 |
| Ethylbenzene                                  | 49.0   | 1.0             | 0.50 | ug/kg | 50.0        |               | 98        | 70-125      |     |           |                 |
| Hexachlorobutadiene                           | 46.4   | 2.0             | 0.80 | ug/kg | 50.0        |               | 93        | 60-135      |     |           |                 |
| 2-Hexanone                                    | 56.0   | 10              | 9.1  | ug/kg | 50.0        |               | 112       | 40-150      |     |           |                 |
| Isopropylbenzene                              | 54.3   | 1.0             | 0.54 | ug/kg | 50.0        |               | 109       | 75-130      |     |           |                 |
| p-Isopropyltoluene                            | 50.7   | 1.0             | 0.72 | ug/kg | 50.0        |               | 101       | 75-125      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                   | 57.0   | 5.0             | 4.5  | ug/kg | 50.0        |               | 114       | 40-145      |     |           |                 |
| Methylene chloride                            | 50.7   | 10              | 6.5  | ug/kg | 50.0        |               | 101       | 55-135      |     |           |                 |
| Naphthalene                                   | 60.4   | 2.0             | 1.1  | ug/kg | 50.0        |               | 121       | 55-135      |     |           |                 |
| n-Propylbenzene                               | 53.2   | 1.0             | 0.61 | ug/kg | 50.0        |               | 106       | 70-130      |     |           |                 |
| Styrene                                       | 55.4   | 1.0             | 0.58 | ug/kg | 50.0        |               | 111       | 75-130      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                     | 50.9   | 2.0             | 0.57 | ug/kg | 50.0        |               | 102       | 70-130      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                     | 60.6   | 2.0             | 0.86 | ug/kg | 50.0        |               | 121       | 55-140      |     |           |                 |
| Tetrachloroethene                             | 48.2   | 1.0             | 0.49 | ug/kg | 50.0        |               | 96        | 70-125      |     |           |                 |
| Toluene                                       | 50.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 100       | 70-125      |     |           |                 |
| 1,2,3-Trichlorobenzene                        | 52.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-130      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 52.8   | 2.0             | 1.0  | ug/kg | 50.0        |               | 106       | 70-135      |     |           |                 |
| 1,1,1-Trichloroethane                         | 45.9   | 1.0             | 0.70 | ug/kg | 50.0        |               | 92        | 65-135      |     |           |                 |
| 1,1,2-Trichloroethane                         | 53.3   | 1.0             | 0.87 | ug/kg | 50.0        |               | 107       | 65-135      |     |           |                 |
| Trichloroethene                               | 47.7   | 1.0             | 0.50 | ug/kg | 50.0        |               | 95        | 70-125      |     |           |                 |
| Trichlorofluoromethane                        | 36.0   | 2.0             | 0.54 | ug/kg | 50.0        |               | 72        | 60-145      |     |           |                 |
| 1,2,3-Trichloropropane                        | 55.9   | 2.0             | 1.0  | ug/kg | 50.0        |               | 112       | 60-135      |     |           |                 |
| 1,2,4-Trimethylbenzene                        | 54.3   | 1.0             | 0.78 | ug/kg | 50.0        |               | 109       | 70-125      |     |           |                 |
| 1,3,5-Trimethylbenzene                        | 54.1   | 1.0             | 0.63 | ug/kg | 50.0        |               | 108       | 70-125      |     |           |                 |
| Vinyl acetate                                 | 55.5   | 5.0             | 2.5  | ug/kg | 50.0        |               | 111       | 45-145      |     |           |                 |
| Vinyl chloride                                | 44.2   | 2.0             | 0.91 | ug/kg | 50.0        |               | 88        | 55-135      |     |           |                 |
| m,p-Xylenes                                   | 99.6   | 2.0             | 0.80 | ug/kg | 100         |               | 100       | 70-125      |     |           |                 |
| o-Xylene                                      | 50.1   | 1.0             | 0.50 | ug/kg | 50.0        |               | 100       | 70-125      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                | 52.6   | 2.0             | 1.0  | ug/kg | 50.0        |               | 105       | 60-140      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene               | 46.0   |                 |      | ug/kg | 50.0        |               | 92        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane               | 47.6   |                 |      | ug/kg | 50.0        |               | 95        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                         | 49.9   |                 |      | ug/kg | 50.0        |               | 100       | 80-120      |     |           |                 |

TestAmerica Irvine

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Project Manager

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The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/14/2009 (9I14015-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0761-01</b> |           |             |     |           |                 |
| Acetone  | 98.0   | 10              | 8.0  | ug/kg | 49.8        | 34.9                      | 127       | 20-145      |     |           |                 |
| Benzene  | 48.7   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 98        | 65-130      |     |           |                 |
| Bromobenzene   | 55.9   | 2.0             | 0.84 | ug/kg | 49.8        | ND                        | 112       | 65-140      |     |           |                 |
| Bromochloromethane                                     | 56.3   | 2.0             | 0.90 | ug/kg | 49.8        | ND                        | 113       | 65-145      |     |           |                 |
| Bromodichloromethane                                   | 47.7   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 96        | 65-145      |     |           |                 |
| Bromoform  | 46.0   | 2.0             | 0.80 | ug/kg | 49.8        | ND                        | 92        | 50-145      |     |           |                 |
| Bromomethane   | 45.8   | 2.0             | 0.92 | ug/kg | 49.8        | ND                        | 92        | 60-155      |     |           |                 |
| 2-Butanone (MEK)                                       | 80.9   | 10              | 6.0  | ug/kg | 49.8        | ND                        | 163       | 25-170      |     |           |                 |
| n-Butylbenzene   | 42.6   | 2.0             | 0.72 | ug/kg | 49.8        | ND                        | 86        | 55-145      |     |           |                 |
| sec-Butylbenzene                                       | 47.6   | 2.0             | 0.67 | ug/kg | 49.8        | ND                        | 96        | 60-135      |     |           |                 |
| tert-Butylbenzene                                      | 49.0   | 2.0             | 0.62 | ug/kg | 49.8        | ND                        | 98        | 60-140      |     |           |                 |
| Carbon Disulfide                                       | 51.2   | 5.0             | 0.97 | ug/kg | 49.8        | ND                        | 103       | 40-140      |     |           |                 |
| Carbon tetrachloride                                   | 38.7   | 2.0             | 0.50 | ug/kg | 49.8        | ND                        | 78        | 60-145      |     |           |                 |
| Chlorobenzene  | 49.2   | 1.0             | 0.52 | ug/kg | 49.8        | ND                        | 99        | 70-130      |     |           |                 |
| Chloroethane   | 48.5   | 2.0             | 1.5  | ug/kg | 49.8        | ND                        | 97        | 60-150      |     |           |                 |
| Chloroform   | 46.0   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 92        | 65-135      |     |           |                 |
| Chloromethane  | 50.0   | 2.0             | 1.0  | ug/kg | 49.8        | ND                        | 100       | 40-145      |     |           |                 |
| 2-Chlorotoluene  | 51.5   | 2.0             | 0.87 | ug/kg | 49.8        | ND                        | 103       | 60-135      |     |           |                 |
| 4-Chlorotoluene  | 51.8   | 2.0             | 0.74 | ug/kg | 49.8        | ND                        | 104       | 65-135      |     |           |                 |
| 1,2-Dibromo-3-chloropropane                            | 61.0   | 10              | 1.5  | ug/kg | 49.8        | ND                        | 122       | 40-150      |     |           |                 |
| Dibromochloromethane                                   | 49.2   | 1.0             | 0.70 | ug/kg | 49.8        | ND                        | 99        | 60-145      |     |           |                 |
| 1,2-Dibromoethane (EDB)                                | 59.6   | 1.0             | 0.80 | ug/kg | 49.8        | ND                        | 120       | 65-140      |     |           |                 |
| Dibromomethane   | 55.3   | 1.0             | 0.90 | ug/kg | 49.8        | ND                        | 111       | 65-140      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 50.0   | 1.0             | 0.95 | ug/kg | 49.8        | ND                        | 100       | 70-130      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 49.0   | 1.0             | 0.84 | ug/kg | 49.8        | ND                        | 98        | 70-130      |     |           |                 |
| 1,4-Dichlorobenzene                                    | 48.8   | 1.0             | 0.94 | ug/kg | 49.8        | ND                        | 98        | 70-130      |     |           |                 |
| Dichlorodifluoromethane                                | 47.6   | 5.0             | 1.5  | ug/kg | 49.8        | ND                        | 96        | 30-160      |     |           |                 |
| 1,1-Dichloroethane                                     | 51.7   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 104       | 65-135      |     |           |                 |
| 1,2-Dichloroethane                                     | 45.7   | 1.0             | 0.80 | ug/kg | 49.8        | ND                        | 92        | 60-150      |     |           |                 |
| 1,1-Dichloroethene                                     | 53.1   | 2.0             | 0.60 | ug/kg | 49.8        | ND                        | 107       | 65-135      |     |           |                 |
| cis-1,2-Dichloroethene                                 | 56.4   | 1.0             | 0.83 | ug/kg | 49.8        | ND                        | 113       | 65-135      |     |           |                 |
| trans-1,2-Dichloroethene                               | 52.9   | 1.0             | 0.70 | ug/kg | 49.8        | ND                        | 106       | 70-135      |     |           |                 |
| 1,2-Dichloropropane                                    | 52.9   | 1.0             | 0.80 | ug/kg | 49.8        | ND                        | 106       | 65-130      |     |           |                 |
| 1,3-Dichloropropane                                    | 57.8   | 1.0             | 0.63 | ug/kg | 49.8        | ND                        | 116       | 65-140      |     |           |                 |
| 2,2-Dichloropropane                                    | 50.5   | 1.0             | 0.60 | ug/kg | 49.8        | ND                        | 101       | 65-150      |     |           |                 |

#### TestAmerica Irvine

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Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9114015 Extracted: 09/14/09</b>              |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/14/2009 (9114015-MS1)</b> |        |                 |      |       |             | <b>Source: ISI0761-01</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                | 64.6   | 1.0             | 0.44 | ug/kg | 49.8        | ND                        | 130       | 70-135      |     |           |                 |
| trans-1,3-Dichloropropene                              | 50.0   | 1.0             | 0.61 | ug/kg | 49.8        | ND                        | 100       | 60-145      |     |           |                 |
| 1,1-Dichloropropene                                    | 48.8   | 1.0             | 0.40 | ug/kg | 49.8        | ND                        | 98        | 65-135      |     |           |                 |
| Ethylbenzene   | 48.7   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 98        | 70-135      |     |           |                 |
| Hexachlorobutadiene                                    | 24.8   | 2.0             | 0.80 | ug/kg | 49.8        | ND                        | 50        | 50-145      |     |           |                 |
| 2-Hexanone   | 69.1   | 10              | 9.1  | ug/kg | 49.8        | ND                        | 139       | 35-160      |     |           |                 |
| Isopropylbenzene                                       | 54.2   | 1.0             | 0.54 | ug/kg | 49.8        | ND                        | 109       | 70-145      |     |           |                 |
| p-Isopropyltoluene                                     | 45.1   | 1.0             | 0.72 | ug/kg | 49.8        | ND                        | 90        | 60-140      |     |           |                 |
| 4-Methyl-2-pentanone (MIBK)                            | 66.0   | 5.0             | 4.5  | ug/kg | 49.8        | ND                        | 133       | 40-155      |     |           |                 |
| Methylene chloride                                     | 53.7   | 10              | 6.5  | ug/kg | 49.8        | ND                        | 108       | 55-145      |     |           |                 |
| Naphthalene  | 61.1   | 2.0             | 1.1  | ug/kg | 49.8        | ND                        | 123       | 40-150      |     |           |                 |
| n-Propylbenzene  | 51.2   | 1.0             | 0.61 | ug/kg | 49.8        | ND                        | 103       | 65-140      |     |           |                 |
| Styrene  | 53.0   | 1.0             | 0.58 | ug/kg | 49.8        | ND                        | 106       | 70-140      |     |           |                 |
| 1,1,1,2-Tetrachloroethane                              | 49.3   | 2.0             | 0.57 | ug/kg | 49.8        | ND                        | 99        | 65-145      |     |           |                 |
| 1,1,2,2-Tetrachloroethane                              | 71.4   | 2.0             | 0.86 | ug/kg | 49.8        | ND                        | 143       | 40-160      |     |           |                 |
| Tetrachloroethene                                      | 47.5   | 1.0             | 0.49 | ug/kg | 49.8        | ND                        | 95        | 65-135      |     |           |                 |
| Toluene  | 49.5   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 99        | 70-130      |     |           |                 |
| 1,2,3-Trichlorobenzene                                 | 41.6   | 2.0             | 1.0  | ug/kg | 49.8        | ND                        | 83        | 45-145      |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | 42.1   | 2.0             | 1.0  | ug/kg | 49.8        | ND                        | 84        | 50-140      |     |           |                 |
| 1,1,1-Trichloroethane                                  | 46.4   | 1.0             | 0.70 | ug/kg | 49.8        | ND                        | 93        | 65-145      |     |           |                 |
| 1,1,2-Trichloroethane                                  | 56.8   | 1.0             | 0.87 | ug/kg | 49.8        | ND                        | 114       | 65-140      |     |           |                 |
| Trichloroethene  | 48.4   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 97        | 65-140      |     |           |                 |
| Trichlorofluoromethane                                 | 39.0   | 2.0             | 0.54 | ug/kg | 49.8        | ND                        | 78        | 55-155      |     |           |                 |
| 1,2,3-Trichloropropane                                 | 69.8   | 2.0             | 1.0  | ug/kg | 49.8        | ND                        | 140       | 50-150      |     |           |                 |
| 1,2,4-Trimethylbenzene                                 | 52.9   | 1.0             | 0.78 | ug/kg | 49.8        | ND                        | 106       | 65-140      |     |           |                 |
| 1,3,5-Trimethylbenzene                                 | 51.8   | 1.0             | 0.63 | ug/kg | 49.8        | ND                        | 104       | 65-135      |     |           |                 |
| Vinyl acetate  | 51.5   | 5.0             | 2.5  | ug/kg | 49.8        | ND                        | 103       | 40-150      |     |           |                 |
| Vinyl chloride   | 47.8   | 2.0             | 0.91 | ug/kg | 49.8        | ND                        | 96        | 55-140      |     |           |                 |
| m,p-Xylenes  | 98.8   | 2.0             | 0.80 | ug/kg | 99.6        | ND                        | 99        | 70-130      |     |           |                 |
| o-Xylene   | 50.4   | 1.0             | 0.50 | ug/kg | 49.8        | ND                        | 101       | 65-130      |     |           |                 |
| Methyl-tert-butyl Ether (MTBE)                         | 57.0   | 2.0             | 1.0  | ug/kg | 49.8        | ND                        | 114       | 55-155      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene                        | 45.5   |                 |      | ug/kg | 49.8        |                           | 91        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                        | 47.9   |                 |      | ug/kg | 49.8        |                           | 96        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                  | 50.1   |                 |      | ug/kg | 49.8        |                           | 101       | 80-120      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/14/2009 (9I14015-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0761-01</b> |           |             |     |           |                 |
| Acetone   | 103    | 10              | 8.0  | ug/kg | 49.9        | 34.9                      | 137       | 20-145      | 5   | 40        |                 |
| Benzene   | 54.8   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 110       | 65-130      | 12  | 20        |                 |
| Bromobenzene  | 64.0   | 2.0             | 0.84 | ug/kg | 49.9        | ND                        | 128       | 65-140      | 14  | 25        |                 |
| Bromochloromethane  | 63.5   | 2.0             | 0.90 | ug/kg | 49.9        | ND                        | 127       | 65-145      | 12  | 25        |                 |
| Bromodichloromethane  | 51.3   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 103       | 65-145      | 7   | 20        |                 |
| Bromoform   | 51.4   | 2.0             | 0.80 | ug/kg | 49.9        | ND                        | 103       | 50-145      | 11  | 30        |                 |
| Bromomethane  | 48.9   | 2.0             | 0.92 | ug/kg | 49.9        | ND                        | 98        | 60-155      | 7   | 25        |                 |
| 2-Butanone (MEK)  | 98.7   | 10              | 6.0  | ug/kg | 49.9        | ND                        | 198       | 25-170      | 20  | 40        | MI              |
| n-Butylbenzene  | 50.7   | 2.0             | 0.72 | ug/kg | 49.9        | ND                        | 102       | 55-145      | 17  | 30        |                 |
| sec-Butylbenzene  | 54.9   | 2.0             | 0.67 | ug/kg | 49.9        | ND                        | 110       | 60-135      | 14  | 25        |                 |
| tert-Butylbenzene   | 55.8   | 2.0             | 0.62 | ug/kg | 49.9        | ND                        | 112       | 60-140      | 13  | 25        |                 |
| Carbon Disulfide  | 56.8   | 5.0             | 0.97 | ug/kg | 49.9        | ND                        | 114       | 40-140      | 10  | 20        |                 |
| Carbon tetrachloride  | 46.7   | 2.0             | 0.50 | ug/kg | 49.9        | ND                        | 94        | 60-145      | 19  | 25        |                 |
| Chlorobenzene   | 54.9   | 1.0             | 0.52 | ug/kg | 49.9        | ND                        | 110       | 70-130      | 11  | 25        |                 |
| Chloroethane  | 53.1   | 2.0             | 1.5  | ug/kg | 49.9        | ND                        | 106       | 60-150      | 9   | 25        |                 |
| Chloroform  | 48.1   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 96        | 65-135      | 4   | 20        |                 |
| Chloromethane   | 53.8   | 2.0             | 1.0  | ug/kg | 49.9        | ND                        | 108       | 40-145      | 7   | 25        |                 |
| 2-Chlorotoluene   | 57.0   | 2.0             | 0.87 | ug/kg | 49.9        | ND                        | 114       | 60-135      | 10  | 25        |                 |
| 4-Chlorotoluene   | 58.4   | 2.0             | 0.74 | ug/kg | 49.9        | ND                        | 117       | 65-135      | 12  | 25        |                 |
| 1,2-Dibromo-3-chloropropane                                 | 72.4   | 10              | 1.5  | ug/kg | 49.9        | ND                        | 145       | 40-150      | 17  | 30        |                 |
| Dibromochloromethane  | 54.5   | 1.0             | 0.70 | ug/kg | 49.9        | ND                        | 109       | 60-145      | 10  | 25        |                 |
| 1,2-Dibromoethane (EDB)                                     | 66.2   | 1.0             | 0.80 | ug/kg | 49.9        | ND                        | 133       | 65-140      | 11  | 25        |                 |
| Dibromomethane  | 61.8   | 1.0             | 0.90 | ug/kg | 49.9        | ND                        | 124       | 65-140      | 11  | 25        |                 |
| 1,2-Dichlorobenzene   | 57.9   | 1.0             | 0.95 | ug/kg | 49.9        | ND                        | 116       | 70-130      | 15  | 25        |                 |
| 1,3-Dichlorobenzene   | 56.0   | 1.0             | 0.84 | ug/kg | 49.9        | ND                        | 112       | 70-130      | 13  | 25        |                 |
| 1,4-Dichlorobenzene   | 55.2   | 1.0             | 0.94 | ug/kg | 49.9        | ND                        | 111       | 70-130      | 12  | 25        |                 |
| Dichlorodifluoromethane                                     | 49.4   | 5.0             | 1.5  | ug/kg | 49.9        | ND                        | 99        | 30-160      | 4   | 35        |                 |
| 1,1-Dichloroethane  | 56.6   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 113       | 65-135      | 9   | 25        |                 |
| 1,2-Dichloroethane  | 47.9   | 1.0             | 0.80 | ug/kg | 49.9        | ND                        | 96        | 60-150      | 5   | 25        |                 |
| 1,1-Dichloroethene  | 56.8   | 2.0             | 0.60 | ug/kg | 49.9        | ND                        | 114       | 65-135      | 7   | 25        |                 |
| cis-1,2-Dichloroethene                                      | 62.6   | 1.0             | 0.83 | ug/kg | 49.9        | ND                        | 125       | 65-135      | 10  | 25        |                 |
| trans-1,2-Dichloroethene                                    | 59.3   | 1.0             | 0.70 | ug/kg | 49.9        | ND                        | 119       | 70-135      | 11  | 25        |                 |
| 1,2-Dichloropropane   | 59.0   | 1.0             | 0.80 | ug/kg | 49.9        | ND                        | 118       | 65-130      | 11  | 20        |                 |
| 1,3-Dichloropropane   | 64.6   | 1.0             | 0.63 | ug/kg | 49.9        | ND                        | 129       | 65-140      | 11  | 25        |                 |
| 2,2-Dichloropropane   | 54.3   | 1.0             | 0.60 | ug/kg | 49.9        | ND                        | 109       | 65-150      | 7   | 25        |                 |

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Report Number: ISI0508

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Received: 09/04/09

## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14015 Extracted: 09/14/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/14/2009 (9I14015-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0761-01</b> |           |             |     |           |                 |
| cis-1,3-Dichloropropene                                     | 72.9   | 1.0             | 0.44 | ug/kg | 49.9        | ND                        | 146       | 70-135      | 12  | 25        | M7              |
| trans-1,3-Dichloropropene                                   | 56.6   | 1.0             | 0.61 | ug/kg | 49.9        | ND                        | 113       | 60-145      | 12  | 25        |                 |
| 1,1-Dichloropropene   | 54.4   | 1.0             | 0.40 | ug/kg | 49.9        | ND                        | 109       | 65-135      | 11  | 20        |                 |
| Ethylbenzene  | 53.7   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 108       | 70-135      | 10  | 25        |                 |
| Hexachlorobutadiene   | 31.0   | 2.0             | 0.80 | ug/kg | 49.9        | ND                        | 62        | 50-145      | 22  | 35        |                 |
| 2-Hexanone  | 85.2   | 10              | 9.1  | ug/kg | 49.9        | ND                        | 171       | 35-160      | 21  | 40        | MI              |
| Isopropylbenzene  | 61.5   | 1.0             | 0.54 | ug/kg | 49.9        | ND                        | 123       | 70-145      | 13  | 25        |                 |
| p-Isopropyltoluene  | 52.0   | 1.0             | 0.72 | ug/kg | 49.9        | ND                        | 104       | 60-140      | 14  | 25        |                 |
| 4-Methyl-2-pentanone (MIBK)                                 | 79.4   | 5.0             | 4.5  | ug/kg | 49.9        | ND                        | 159       | 40-155      | 18  | 40        | MI              |
| Methylene chloride  | 58.2   | 10              | 6.5  | ug/kg | 49.9        | ND                        | 117       | 55-145      | 8   | 25        |                 |
| Naphthalene   | 73.1   | 2.0             | 1.1  | ug/kg | 49.9        | ND                        | 146       | 40-150      | 18  | 40        |                 |
| n-Propylbenzene   | 58.4   | 1.0             | 0.61 | ug/kg | 49.9        | ND                        | 117       | 65-140      | 13  | 25        |                 |
| Styrene   | 59.7   | 1.0             | 0.58 | ug/kg | 49.9        | ND                        | 120       | 70-140      | 12  | 25        |                 |
| 1,1,1,2-Tetrachloroethane                                   | 55.0   | 2.0             | 0.57 | ug/kg | 49.9        | ND                        | 110       | 65-145      | 11  | 20        |                 |
| 1,1,2,2-Tetrachloroethane                                   | 83.4   | 2.0             | 0.86 | ug/kg | 49.9        | ND                        | 167       | 40-160      | 16  | 30        | MI              |
| Tetrachloroethene   | 53.0   | 1.0             | 0.49 | ug/kg | 49.9        | ND                        | 106       | 65-135      | 11  | 25        |                 |
| Toluene   | 56.1   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 113       | 70-130      | 13  | 20        |                 |
| 1,2,3-Trichlorobenzene                                      | 47.9   | 2.0             | 1.0  | ug/kg | 49.9        | ND                        | 96        | 45-145      | 14  | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 49.5   | 2.0             | 1.0  | ug/kg | 49.9        | ND                        | 99        | 50-140      | 16  | 30        |                 |
| 1,1,1-Trichloroethane                                       | 49.1   | 1.0             | 0.70 | ug/kg | 49.9        | ND                        | 98        | 65-145      | 6   | 20        |                 |
| 1,1,2-Trichloroethane                                       | 63.9   | 1.0             | 0.87 | ug/kg | 49.9        | ND                        | 128       | 65-140      | 12  | 30        |                 |
| Trichloroethene   | 53.0   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 106       | 65-140      | 9   | 25        |                 |
| Trichlorofluoromethane                                      | 38.9   | 2.0             | 0.54 | ug/kg | 49.9        | ND                        | 78        | 55-155      | 0   | 25        |                 |
| 1,2,3-Trichloropropane                                      | 78.7   | 2.0             | 1.0  | ug/kg | 49.9        | ND                        | 158       | 50-150      | 12  | 30        | MI              |
| 1,2,4-Trimethylbenzene                                      | 60.3   | 1.0             | 0.78 | ug/kg | 49.9        | ND                        | 121       | 65-140      | 13  | 25        |                 |
| 1,3,5-Trimethylbenzene                                      | 59.2   | 1.0             | 0.63 | ug/kg | 49.9        | ND                        | 119       | 65-135      | 13  | 25        |                 |
| Vinyl acetate   | 66.6   | 5.0             | 2.5  | ug/kg | 49.9        | ND                        | 133       | 40-150      | 26  | 30        |                 |
| Vinyl chloride  | 51.8   | 2.0             | 0.91 | ug/kg | 49.9        | ND                        | 104       | 55-140      | 8   | 30        |                 |
| m,p-Xylenes   | 109    | 2.0             | 0.80 | ug/kg | 99.8        | ND                        | 109       | 70-130      | 10  | 25        |                 |
| o-Xylene  | 55.0   | 1.0             | 0.50 | ug/kg | 49.9        | ND                        | 110       | 65-130      | 9   | 25        |                 |
| Methyl-tert-butyl Ether (MTBE)                              | 62.2   | 2.0             | 1.0  | ug/kg | 49.9        | ND                        | 125       | 55-155      | 9   | 35        |                 |
| Surrogate: 4-Bromofluorobenzene                             | 44.1   |                 |      | ug/kg | 49.9        |                           | 88        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane                             | 46.1   |                 |      | ug/kg | 49.9        |                           | 92        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8                                       | 49.9   |                 |      | ug/kg | 49.9        |                           | 100       | 80-120      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
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## METHOD BLANK/QC DATA

### VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I15014 Extracted: 09/15/09</b>   |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 09/15/2009 (9I15014-BLK1)</b>                                  |        |                 |     |       |             |               |           |             |     |           |                 |
| Naphthalene   | ND     | 2.0             | 1.1 | ug/kg |             |               |           |             |     |           |                 |
| Surrogate: 4-Bromofluorobenzene   | 45.0   |                 |     | ug/kg | 50.0        |               | 90        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane   | 45.5   |                 |     | ug/kg | 50.0        |               | 91        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8   | 48.7   |                 |     | ug/kg | 50.0        |               | 97        | 80-120      |     |           |                 |
| <b>LCS Analyzed: 09/15/2009 (9I15014-BS1)</b>                                     |        |                 |     |       |             |               |           |             |     |           |                 |
| Naphthalene   | 61.6   | 2.0             | 1.1 | ug/kg | 50.0        |               | 123       | 55-135      |     |           |                 |
| Surrogate: 4-Bromofluorobenzene   | 46.5   |                 |     | ug/kg | 50.0        |               | 93        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane   | 47.5   |                 |     | ug/kg | 50.0        |               | 95        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8   | 51.2   |                 |     | ug/kg | 50.0        |               | 102       | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/15/2009 (9I15014-MS1) Source: ISI0508-07RE1</b>      |        |                 |     |       |             |               |           |             |     |           |                 |
| Naphthalene   | 72.7   | 4.0             | 2.2 | ug/kg | 99.6        | ND            | 73        | 40-150      |     |           | I               |
| Surrogate: 4-Bromofluorobenzene   | 79.9   |                 |     | ug/kg | 99.6        |               | 80        | 80-120      |     |           |                 |
| Surrogate: Dibromofluoromethane   | 96.9   |                 |     | ug/kg | 99.6        |               | 97        | 80-125      |     |           |                 |
| Surrogate: Toluene-d8   | 98.5   |                 |     | ug/kg | 99.6        |               | 99        | 80-120      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/15/2009 (9I15014-MSD1) Source: ISI0508-07RE1</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Naphthalene   | 73.9   | 4.0             | 2.2 | ug/kg | 100         | ND            | 74        | 40-150      | 2   | 40        | I               |
| Surrogate: 4-Bromofluorobenzene   | 76.7   |                 |     | ug/kg | 100         |               | 77        | 80-120      |     |           | Z               |
| Surrogate: Dibromofluoromethane   | 101    |                 |     | ug/kg | 100         |               | 101       | 80-125      |     |           |                 |
| Surrogate: Toluene-d8   | 97.8   |                 |     | ug/kg | 100         |               | 98        | 80-120      |     |           |                 |

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/10/2009 (9I10072-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| Acenaphthene                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Acenaphthylene                                   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Aniline  | ND     | 420             | 85  | ug/kg |             |               |           |             |         |           |                 |
| Anthracene                                       | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg |             |               |           |             |         |           |                 |
| Benzo(a)anthracene                               | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Benzo(a)pyrene                                   | ND     | 330             | 55  | ug/kg |             |               |           |             |         |           |                 |
| Benzo(b)fluoranthene                             | ND     | 330             | 50  | ug/kg |             |               |           |             |         |           |                 |
| Benzo(g,h,i)perylene                             | ND     | 330             | 110 | ug/kg |             |               |           |             |         |           |                 |
| Benzo(k)fluoranthene                             | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Benzoic acid                                     | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Benzyl alcohol                                   | ND     | 330             | 200 | ug/kg |             |               |           |             |         |           |                 |
| 4-Bromophenyl phenyl ether                       | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Butyl benzyl phthalate                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloro-3-methylphenol                          | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloroaniline                                  | ND     | 330             | 120 | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethoxy)methane                       | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethyl)ether                          | ND     | 170             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroisopropyl)ether                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-ethylhexyl)phthalate                       | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chloronaphthalene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorophenol                                   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorophenyl phenyl ether                      | ND     | 330             | 85  | ug/kg |             |               |           |             |         |           |                 |
| Chrysene   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Dibenz(a,h)anthracene                            | ND     | 420             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dibenzofuran                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-butyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 3,3'-Dichlorobenzidine                           | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dichlorophenol                               | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Diethyl phthalate                                | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dimethylphenol                               | ND     | 330             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dimethyl phthalate                               | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |

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Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/10/2009 (9I10072-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| 4,6-Dinitro-2-methylphenol                       | ND     | 420             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrophenol                                | ND     | 660             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrotoluene                               | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 2,6-Dinitrotoluene                               | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-octyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                 | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Fluoranthene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Fluorene   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobenzene                                | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorocyclopentadiene                        | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Hexachloroethane                                 | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| Indeno(1,2,3-cd)pyrene                           | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| Isophorone                                       | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylnaphthalene                              | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitroaniline                                   | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 3-Nitroaniline                                   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitroaniline                                   | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Nitrobenzene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitrophenol                                    | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitrophenol                                    | ND     | 830             | 140 | ug/kg |             |               |           |             |         |           |                 |
| N-Nitroso-di-n-propylamine                       | ND     | 250             | 70  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodimethylamine                           | ND     | 330             | 55  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodiphenylamine                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Pentachlorophenol                                | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Phenanthrene                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Phenol   | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Pyrene   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 330             | 50  | ug/kg |             |               |           |             |         |           |                 |
| 2,4,5-Trichlorophenol                            | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| 2,4,6-Trichlorophenol                            | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 2,4,6-Tribromophenol                  | 5690   |                 |     | ug/kg | 6670        |               | 85        | 35-125      |         |           |                 |

#### TestAmerica Irvine

Joseph Doak  
Project Manager

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The Boeing Company-SSFL  
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Canoga Park, CA 91304-1148  
Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b><u>Batch: 9I10072 Extracted: 09/10/09</u></b> |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 09/10/2009 (9I10072-BLK1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                      | 2550   |                 |     | ug/kg | 3330        |               | 76        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                        | 5820   |                 |     | ug/kg | 6670        |               | 87        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                       | 2460   |                 |     | ug/kg | 3330        |               | 74        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                             | 5750   |                 |     | ug/kg | 6670        |               | 86        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                         | 2600   |                 |     | ug/kg | 3330        |               | 78        | 40-135      |     |           |                 |
| <b>LCS Analyzed: 09/10/2009 (9I10072-BS1)</b>    |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene                                     | 3420   | 330             | 60  | ug/kg | 3330        |               | 103       | 50-120      |     |           |                 |
| Acenaphthylene                                   | 3380   | 330             | 70  | ug/kg | 3330        |               | 101       | 50-120      |     |           |                 |
| Aniline  | 3590   | 420             | 85  | ug/kg | 3330        |               | 108       | 25-120      |     |           |                 |
| Anthracene                                       | 3680   | 330             | 80  | ug/kg | 3330        |               | 110       | 55-120      |     |           |                 |
| Benzidine  | 2250   | 660             | 660 | ug/kg | 3330        |               | 68        | 20-120      |     |           |                 |
| Benzo(a)anthracene                               | 3530   | 330             | 70  | ug/kg | 3330        |               | 106       | 55-120      |     |           |                 |
| Benzo(a)pyrene                                   | 3860   | 330             | 55  | ug/kg | 3330        |               | 116       | 50-125      |     |           |                 |
| Benzo(b)fluoranthene                             | 3710   | 330             | 50  | ug/kg | 3330        |               | 111       | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                             | 3890   | 330             | 110 | ug/kg | 3330        |               | 117       | 35-130      |     |           |                 |
| Benzo(k)fluoranthene                             | 3960   | 330             | 70  | ug/kg | 3330        |               | 119       | 45-125      |     |           |                 |
| Benzoic acid                                     | 2370   | 830             | 150 | ug/kg | 3330        |               | 71        | 20-120      |     |           |                 |
| Benzyl alcohol                                   | 3760   | 330             | 200 | ug/kg | 3330        |               | 113       | 35-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                       | 3640   | 330             | 75  | ug/kg | 3330        |               | 109       | 45-120      |     |           |                 |
| Butyl benzyl phthalate                           | 3690   | 330             | 80  | ug/kg | 3330        |               | 111       | 50-125      |     |           |                 |
| 4-Chloro-3-methylphenol                          | 4140   | 330             | 70  | ug/kg | 3330        |               | 124       | 50-125      |     |           |                 |
| 4-Chloroaniline                                  | 3140   | 330             | 120 | ug/kg | 3330        |               | 94        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                       | 3330   | 330             | 70  | ug/kg | 3330        |               | 100       | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                          | 2830   | 170             | 60  | ug/kg | 3330        |               | 85        | 35-120      |     |           |                 |
| Bis(2-chloroisopropyl)ether                      | 2830   | 330             | 60  | ug/kg | 3330        |               | 85        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                       | 3860   | 330             | 90  | ug/kg | 3330        |               | 116       | 50-130      |     |           |                 |
| 2-Chloronaphthalene                              | 3320   | 330             | 65  | ug/kg | 3330        |               | 100       | 45-120      |     |           |                 |
| 2-Chlorophenol                                   | 3730   | 330             | 70  | ug/kg | 3330        |               | 112       | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                      | 3590   | 330             | 85  | ug/kg | 3330        |               | 108       | 55-120      |     |           |                 |
| Chrysene   | 3520   | 330             | 75  | ug/kg | 3330        |               | 106       | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                            | 4090   | 420             | 100 | ug/kg | 3330        |               | 123       | 40-135      |     |           |                 |
| Dibenzofuran                                     | 3480   | 330             | 60  | ug/kg | 3330        |               | 105       | 55-120      |     |           |                 |
| Di-n-butyl phthalate                             | 3940   | 330             | 90  | ug/kg | 3330        |               | 118       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                              | 2830   | 330             | 60  | ug/kg | 3330        |               | 85        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                              | 2560   | 330             | 90  | ug/kg | 3330        |               | 77        | 35-120      |     |           |                 |

#### TestAmerica Irvine

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Project Manager



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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/10/2009 (9I10072-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| 1,4-Dichlorobenzene                           | 2680   | 330             | 65  | ug/kg | 3330        |               | 80        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                        | 3090   | 830             | 150 | ug/kg | 3330        |               | 93        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                            | 3840   | 330             | 60  | ug/kg | 3330        |               | 115       | 45-120      |     |           |                 |
| Diethyl phthalate                             | 3660   | 330             | 95  | ug/kg | 3330        |               | 110       | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                            | 3390   | 330             | 100 | ug/kg | 3330        |               | 102       | 40-120      |     |           |                 |
| Dimethyl phthalate                            | 3540   | 330             | 65  | ug/kg | 3330        |               | 106       | 50-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                    | 3790   | 420             | 110 | ug/kg | 3330        |               | 114       | 40-120      |     |           |                 |
| 2,4-Dinitrophenol                             | 2440   | 660             | 110 | ug/kg | 3330        |               | 73        | 25-120      |     |           |                 |
| 2,4-Dinitrotoluene                            | 3840   | 330             | 80  | ug/kg | 3330        |               | 115       | 55-125      |     |           |                 |
| 2,6-Dinitrotoluene                            | 3660   | 330             | 95  | ug/kg | 3330        |               | 110       | 55-125      |     |           |                 |
| Di-n-octyl phthalate                          | 3740   | 330             | 90  | ug/kg | 3330        |               | 112       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene              | 3340   | 330             | 60  | ug/kg | 3330        |               | 100       | 50-125      |     |           |                 |
| Fluoranthene                                  | 3780   | 330             | 70  | ug/kg | 3330        |               | 113       | 55-120      |     |           |                 |
| Fluorene                                      | 3610   | 330             | 70  | ug/kg | 3330        |               | 108       | 55-120      |     |           |                 |
| Hexachlorobenzene                             | 3540   | 330             | 70  | ug/kg | 3330        |               | 106       | 50-120      |     |           |                 |
| Hexachlorobutadiene                           | 2870   | 330             | 60  | ug/kg | 3330        |               | 86        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                     | 2240   | 830             | 90  | ug/kg | 3330        |               | 67        | 30-125      |     |           |                 |
| Hexachloroethane                              | 2580   | 330             | 65  | ug/kg | 3330        |               | 77        | 40-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                        | 4190   | 330             | 130 | ug/kg | 3330        |               | 126       | 30-135      |     |           |                 |
| Isophorone                                    | 3330   | 330             | 60  | ug/kg | 3330        |               | 100       | 40-120      |     |           |                 |
| 2-Methylnaphthalene                           | 3450   | 330             | 70  | ug/kg | 3330        |               | 104       | 45-120      |     |           |                 |
| 2-Methylphenol                                | 3930   | 330             | 80  | ug/kg | 3330        |               | 118       | 40-120      |     |           |                 |
| 4-Methylphenol                                | 4140   | 330             | 80  | ug/kg | 3330        |               | 124       | 45-120      |     |           | L               |
| Naphthalene                                   | 3170   | 330             | 60  | ug/kg | 3330        |               | 95        | 45-120      |     |           |                 |
| 2-Nitroaniline                                | 3660   | 330             | 60  | ug/kg | 3330        |               | 110       | 50-125      |     |           |                 |
| 3-Nitroaniline                                | 3380   | 330             | 75  | ug/kg | 3330        |               | 101       | 35-120      |     |           |                 |
| 4-Nitroaniline                                | 3600   | 830             | 90  | ug/kg | 3330        |               | 108       | 45-125      |     |           |                 |
| Nitrobenzene                                  | 3110   | 330             | 70  | ug/kg | 3330        |               | 93        | 45-120      |     |           |                 |
| 2-Nitrophenol                                 | 3320   | 330             | 60  | ug/kg | 3330        |               | 100       | 45-120      |     |           |                 |
| 4-Nitrophenol                                 | 3480   | 830             | 140 | ug/kg | 3330        |               | 104       | 40-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                    | 3570   | 250             | 70  | ug/kg | 3330        |               | 107       | 40-120      |     |           |                 |
| N-Nitrosodimethylamine                        | 2100   | 330             | 55  | ug/kg | 3330        |               | 63        | 25-120      |     |           |                 |
| N-Nitrosodiphenylamine                        | 3630   | 330             | 80  | ug/kg | 3330        |               | 109       | 50-120      |     |           |                 |
| Pentachlorophenol                             | 3150   | 830             | 150 | ug/kg | 3330        |               | 94        | 40-120      |     |           |                 |
| Phenanthrene                                  | 3680   | 330             | 60  | ug/kg | 3330        |               | 111       | 50-120      |     |           |                 |

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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>              |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/10/2009 (9I10072-BS1)</b>          |        |                 |     |       |             |               |           |             |     |           |                 |
| Phenol   | 3890   | 330             | 90  | ug/kg | 3330        |               | 117       | 40-120      |     |           |                 |
| Pyrene   | 3290   | 330             | 80  | ug/kg | 3330        |               | 99        | 45-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                 | 3000   | 330             | 50  | ug/kg | 3330        |               | 90        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                  | 3890   | 330             | 130 | ug/kg | 3330        |               | 117       | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                  | 3760   | 330             | 75  | ug/kg | 3330        |               | 113       | 50-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                        | 7170   |                 |     | ug/kg | 6670        |               | 108       | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                            | 2980   |                 |     | ug/kg | 3330        |               | 89        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                              | 6400   |                 |     | ug/kg | 6670        |               | 96        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                             | 2730   |                 |     | ug/kg | 3330        |               | 82        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                                   | 6910   |                 |     | ug/kg | 6670        |               | 104       | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                               | 2900   |                 |     | ug/kg | 3330        |               | 87        | 40-135      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I10072-MS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Source: ISI0730-01</b>                              |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene   | 3000   | 330             | 60  | ug/kg | 3330        | ND            | 90        | 45-120      |     |           |                 |
| Acenaphthylene   | 2990   | 330             | 70  | ug/kg | 3330        | ND            | 90        | 45-120      |     |           |                 |
| Aniline  | 2520   | 420             | 85  | ug/kg | 3330        | ND            | 75        | 25-120      |     |           |                 |
| Anthracene   | 3230   | 330             | 80  | ug/kg | 3330        | ND            | 97        | 55-120      |     |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg | 3330        | ND            |           | 20-120      |     |           | M2              |
| Benzo(a)anthracene                                     | 3120   | 330             | 70  | ug/kg | 3330        | ND            | 94        | 50-120      |     |           |                 |
| Benzo(a)pyrene   | 3440   | 330             | 55  | ug/kg | 3330        | ND            | 103       | 45-125      |     |           |                 |
| Benzo(b)fluoranthene                                   | 3400   | 330             | 50  | ug/kg | 3330        | ND            | 102       | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                                   | 4000   | 330             | 110 | ug/kg | 3330        | ND            | 120       | 25-130      |     |           |                 |
| Benzo(k)fluoranthene                                   | 3760   | 330             | 70  | ug/kg | 3330        | ND            | 113       | 45-125      |     |           |                 |
| Benzoic acid   | 2280   | 830             | 150 | ug/kg | 3330        | ND            | 68        | 20-120      |     |           |                 |
| Benzyl alcohol   | 1950   | 330             | 200 | ug/kg | 3330        | ND            | 59        | 20-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                             | 3170   | 330             | 75  | ug/kg | 3330        | ND            | 95        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                                 | 3390   | 330             | 80  | ug/kg | 3330        | ND            | 102       | 45-125      |     |           |                 |
| 4-Chloro-3-methylphenol                                | 3410   | 330             | 70  | ug/kg | 3330        | ND            | 102       | 50-125      |     |           |                 |
| 4-Chloroaniline  | 2160   | 330             | 120 | ug/kg | 3330        | ND            | 65        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                             | 2740   | 330             | 70  | ug/kg | 3330        | ND            | 82        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                                | 2320   | 170             | 60  | ug/kg | 3330        | ND            | 70        | 35-110      |     |           |                 |
| Bis(2-chloroisopropyl)ether                            | 2380   | 330             | 60  | ug/kg | 3330        | ND            | 71        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                             | 3590   | 330             | 90  | ug/kg | 3330        | ND            | 108       | 45-130      |     |           |                 |
| 2-Chloronaphthalene                                    | 2890   | 330             | 65  | ug/kg | 3330        | ND            | 87        | 45-120      |     |           |                 |
| 2-Chlorophenol   | 3080   | 330             | 70  | ug/kg | 3330        | ND            | 92        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                            | 3000   | 330             | 85  | ug/kg | 3330        | ND            | 90        | 50-120      |     |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>              |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I10072-MS1)</b> |        |                 |     |       |             | <b>Source: ISI0730-01</b> |           |             |     |           |                 |
| Chrysene   | 3120   | 330             | 75  | ug/kg | 3330        | ND                        | 94        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                                  | 3730   | 420             | 100 | ug/kg | 3330        | ND                        | 112       | 25-135      |     |           |                 |
| Dibenzofuran   | 3000   | 330             | 60  | ug/kg | 3330        | ND                        | 90        | 50-120      |     |           |                 |
| Di-n-butyl phthalate                                   | 3340   | 330             | 90  | ug/kg | 3330        | ND                        | 100       | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 2490   | 330             | 60  | ug/kg | 3330        | ND                        | 75        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 2310   | 330             | 90  | ug/kg | 3330        | ND                        | 69        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                                    | 2390   | 330             | 65  | ug/kg | 3330        | ND                        | 72        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                                 | 2480   | 830             | 150 | ug/kg | 3330        | ND                        | 74        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                                     | 3250   | 330             | 60  | ug/kg | 3330        | ND                        | 98        | 45-120      |     |           |                 |
| Diethyl phthalate                                      | 3100   | 330             | 95  | ug/kg | 3330        | ND                        | 93        | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                                     | 2760   | 330             | 100 | ug/kg | 3330        | ND                        | 83        | 30-120      |     |           |                 |
| Dimethyl phthalate                                     | 3000   | 330             | 65  | ug/kg | 3330        | ND                        | 90        | 45-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                             | 2690   | 420             | 110 | ug/kg | 3330        | ND                        | 81        | 35-120      |     |           |                 |
| 2,4-Dinitrophenol                                      | 1920   | 660             | 110 | ug/kg | 3330        | ND                        | 58        | 20-120      |     |           |                 |
| 2,4-Dinitrotoluene                                     | 3260   | 330             | 80  | ug/kg | 3330        | ND                        | 98        | 50-125      |     |           |                 |
| 2,6-Dinitrotoluene                                     | 3090   | 330             | 95  | ug/kg | 3330        | ND                        | 93        | 50-125      |     |           |                 |
| Di-n-octyl phthalate                                   | 3440   | 330             | 90  | ug/kg | 3330        | ND                        | 103       | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | 2850   | 330             | 60  | ug/kg | 3330        | ND                        | 86        | 50-125      |     |           |                 |
| Fluoranthene   | 3160   | 330             | 70  | ug/kg | 3330        | ND                        | 95        | 45-120      |     |           |                 |
| Fluorene   | 3070   | 330             | 70  | ug/kg | 3330        | ND                        | 92        | 50-120      |     |           |                 |
| Hexachlorobenzene                                      | 3110   | 330             | 70  | ug/kg | 3330        | ND                        | 93        | 50-120      |     |           |                 |
| Hexachlorobutadiene                                    | 2540   | 330             | 60  | ug/kg | 3330        | ND                        | 76        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                              | 1700   | 830             | 90  | ug/kg | 3330        | ND                        | 51        | 20-125      |     |           |                 |
| Hexachloroethane                                       | 2310   | 330             | 65  | ug/kg | 3330        | ND                        | 69        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                                 | 3630   | 330             | 130 | ug/kg | 3330        | ND                        | 109       | 20-130      |     |           |                 |
| Isophorone   | 2780   | 330             | 60  | ug/kg | 3330        | ND                        | 83        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                                    | 2870   | 330             | 70  | ug/kg | 3330        | ND                        | 86        | 40-120      |     |           |                 |
| 2-Methylphenol   | 3170   | 330             | 80  | ug/kg | 3330        | ND                        | 95        | 40-120      |     |           |                 |
| 4-Methylphenol   | 3190   | 330             | 80  | ug/kg | 3330        | ND                        | 96        | 45-120      |     |           |                 |
| Naphthalene  | 2770   | 330             | 60  | ug/kg | 3330        | ND                        | 83        | 40-120      |     |           |                 |
| 2-Nitroaniline   | 3180   | 330             | 60  | ug/kg | 3330        | ND                        | 95        | 45-120      |     |           |                 |
| 3-Nitroaniline   | 2790   | 330             | 75  | ug/kg | 3330        | ND                        | 84        | 30-120      |     |           |                 |
| 4-Nitroaniline   | 3050   | 830             | 90  | ug/kg | 3330        | ND                        | 91        | 40-125      |     |           |                 |
| Nitrobenzene   | 2690   | 330             | 70  | ug/kg | 3330        | ND                        | 81        | 40-120      |     |           |                 |
| 2-Nitrophenol  | 2930   | 330             | 60  | ug/kg | 3330        | ND                        | 88        | 40-120      |     |           |                 |

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Project Manager

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The Boeing Company-SSFL  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I10072-MS1)</b>      |        |                 |     |       |             | <b>Source: ISI0730-01</b> |           |             |     |           |                 |
| 4-Nitrophenol   | 2750   | 830             | 140 | ug/kg | 3330        | ND                        | 82        | 35-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                                  | 2830   | 250             | 70  | ug/kg | 3330        | ND                        | 85        | 35-120      |     |           |                 |
| N-Nitrosodimethylamine                                      | 1930   | 330             | 55  | ug/kg | 3330        | ND                        | 58        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                                      | 3190   | 330             | 80  | ug/kg | 3330        | ND                        | 96        | 45-125      |     |           |                 |
| Pentachlorophenol   | 2240   | 830             | 150 | ug/kg | 3330        | ND                        | 67        | 30-120      |     |           |                 |
| Phenanthrene  | 3210   | 330             | 60  | ug/kg | 3330        | ND                        | 96        | 50-120      |     |           |                 |
| Phenol  | 3180   | 330             | 90  | ug/kg | 3330        | ND                        | 95        | 40-120      |     |           |                 |
| Pyrene  | 3040   | 330             | 80  | ug/kg | 3330        | ND                        | 91        | 40-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                      | 2600   | 330             | 50  | ug/kg | 3330        | ND                        | 78        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                       | 3370   | 330             | 130 | ug/kg | 3330        | ND                        | 101       | 45-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                       | 3140   | 330             | 75  | ug/kg | 3330        | ND                        | 94        | 45-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6160   |                 |     | ug/kg | 6670        |                           | 92        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2610   |                 |     | ug/kg | 3330        |                           | 78        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5390   |                 |     | ug/kg | 6670        |                           | 81        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2420   |                 |     | ug/kg | 3330        |                           | 73        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5650   |                 |     | ug/kg | 6670        |                           | 85        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 2720   |                 |     | ug/kg | 3330        |                           | 82        | 40-135      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I10072-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0730-01</b> |           |             |     |           |                 |
| Acenaphthene  | 2990   | 330             | 60  | ug/kg | 3330        | ND                        | 90        | 45-120      | 0   | 25        |                 |
| Acenaphthylene  | 2970   | 330             | 70  | ug/kg | 3330        | ND                        | 89        | 45-120      | 1   | 20        |                 |
| Aniline   | 2530   | 420             | 85  | ug/kg | 3330        | ND                        | 76        | 25-120      | 1   | 30        |                 |
| Anthracene  | 3140   | 330             | 80  | ug/kg | 3330        | ND                        | 94        | 55-120      | 3   | 25        |                 |
| Benzidine   | ND     | 660             | 660 | ug/kg | 3330        | ND                        |           | 20-120      |     | 30        | M2              |
| Benzo(a)anthracene  | 3200   | 330             | 70  | ug/kg | 3330        | ND                        | 96        | 50-120      | 2   | 25        |                 |
| Benzo(a)pyrene  | 3490   | 330             | 55  | ug/kg | 3330        | ND                        | 105       | 45-125      | 1   | 25        |                 |
| Benzo(b)fluoranthene  | 3480   | 330             | 50  | ug/kg | 3330        | ND                        | 104       | 45-125      | 2   | 30        |                 |
| Benzo(g,h,i)perylene  | 4150   | 330             | 110 | ug/kg | 3330        | ND                        | 124       | 25-130      | 4   | 30        |                 |
| Benzo(k)fluoranthene  | 3870   | 330             | 70  | ug/kg | 3330        | ND                        | 116       | 45-125      | 3   | 30        |                 |
| Benzoic acid  | 2160   | 830             | 150 | ug/kg | 3330        | ND                        | 65        | 20-120      | 5   | 30        |                 |
| Benzyl alcohol  | 1310   | 330             | 200 | ug/kg | 3330        | ND                        | 39        | 20-120      | 39  | 30        | R               |
| 4-Bromophenyl phenyl ether                                  | 3090   | 330             | 75  | ug/kg | 3330        | ND                        | 93        | 45-120      | 2   | 20        |                 |
| Butyl benzyl phthalate                                      | 3500   | 330             | 80  | ug/kg | 3330        | ND                        | 105       | 45-125      | 3   | 25        |                 |
| 4-Chloro-3-methylphenol                                     | 3560   | 330             | 70  | ug/kg | 3330        | ND                        | 107       | 50-125      | 4   | 25        |                 |
| 4-Chloroaniline   | 2490   | 330             | 120 | ug/kg | 3330        | ND                        | 75        | 20-120      | 14  | 30        |                 |
| Bis(2-chloroethoxy)methane                                  | 2810   | 330             | 70  | ug/kg | 3330        | ND                        | 84        | 45-120      | 3   | 25        |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I10072-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0730-01</b> |           |             |     |           |                 |
| Bis(2-chloroethyl)ether                                     | 2390   | 170             | 60  | ug/kg | 3330        | ND                        | 72        | 35-110      | 3   | 25        |                 |
| Bis(2-chloroisopropyl)ether                                 | 2450   | 330             | 60  | ug/kg | 3330        | ND                        | 73        | 40-120      | 3   | 25        |                 |
| Bis(2-ethylhexyl)phthalate                                  | 3690   | 330             | 90  | ug/kg | 3330        | ND                        | 111       | 45-130      | 3   | 25        |                 |
| 2-Chloronaphthalene   | 2890   | 330             | 65  | ug/kg | 3330        | ND                        | 87        | 45-120      | 0   | 20        |                 |
| 2-Chlorophenol  | 3090   | 330             | 70  | ug/kg | 3330        | ND                        | 93        | 40-120      | 1   | 20        |                 |
| 4-Chlorophenyl phenyl ether                                 | 3030   | 330             | 85  | ug/kg | 3330        | ND                        | 91        | 50-120      | 1   | 25        |                 |
| Chrysene  | 3230   | 330             | 75  | ug/kg | 3330        | ND                        | 97        | 55-120      | 4   | 25        |                 |
| Dibenz(a,h)anthracene                                       | 3830   | 420             | 100 | ug/kg | 3330        | ND                        | 115       | 25-135      | 3   | 30        |                 |
| Dibenzofuran  | 3070   | 330             | 60  | ug/kg | 3330        | ND                        | 92        | 50-120      | 2   | 25        |                 |
| Di-n-butyl phthalate  | 3350   | 330             | 90  | ug/kg | 3330        | ND                        | 101       | 50-125      | 1   | 25        |                 |
| 1,2-Dichlorobenzene   | 2560   | 330             | 60  | ug/kg | 3330        | ND                        | 77        | 40-120      | 3   | 25        |                 |
| 1,3-Dichlorobenzene   | 2380   | 330             | 90  | ug/kg | 3330        | ND                        | 71        | 35-120      | 3   | 25        |                 |
| 1,4-Dichlorobenzene   | 2460   | 330             | 65  | ug/kg | 3330        | ND                        | 74        | 35-120      | 3   | 25        |                 |
| 3,3'-Dichlorobenzidine                                      | 2610   | 830             | 150 | ug/kg | 3330        | ND                        | 78        | 20-130      | 5   | 25        |                 |
| 2,4-Dichlorophenol  | 3320   | 330             | 60  | ug/kg | 3330        | ND                        | 100       | 45-120      | 2   | 25        |                 |
| Diethyl phthalate   | 3080   | 330             | 95  | ug/kg | 3330        | ND                        | 92        | 50-125      | 1   | 25        |                 |
| 2,4-Dimethylphenol  | 2810   | 330             | 100 | ug/kg | 3330        | ND                        | 84        | 30-120      | 2   | 25        |                 |
| Dimethyl phthalate  | 2960   | 330             | 65  | ug/kg | 3330        | ND                        | 89        | 45-125      | 1   | 25        |                 |
| 4,6-Dinitro-2-methylphenol                                  | 2400   | 420             | 110 | ug/kg | 3330        | ND                        | 72        | 35-120      | 11  | 25        |                 |
| 2,4-Dinitrophenol   | 1670   | 660             | 110 | ug/kg | 3330        | ND                        | 50        | 20-120      | 14  | 25        |                 |
| 2,4-Dinitrotoluene  | 3240   | 330             | 80  | ug/kg | 3330        | ND                        | 97        | 50-125      | 1   | 25        |                 |
| 2,6-Dinitrotoluene  | 3070   | 330             | 95  | ug/kg | 3330        | ND                        | 92        | 50-125      | 1   | 20        |                 |
| Di-n-octyl phthalate  | 3490   | 330             | 90  | ug/kg | 3330        | ND                        | 105       | 50-135      | 1   | 25        |                 |
| 1,2-Diphenylhydrazine/Azobenzene                            | 2840   | 330             | 60  | ug/kg | 3330        | ND                        | 85        | 50-125      | 0   | 25        |                 |
| Fluoranthene  | 3190   | 330             | 70  | ug/kg | 3330        | ND                        | 96        | 45-120      | 1   | 25        |                 |
| Fluorene  | 3130   | 330             | 70  | ug/kg | 3330        | ND                        | 94        | 50-120      | 2   | 25        |                 |
| Hexachlorobenzene   | 2980   | 330             | 70  | ug/kg | 3330        | ND                        | 90        | 50-120      | 4   | 25        |                 |
| Hexachlorobutadiene   | 2570   | 330             | 60  | ug/kg | 3330        | ND                        | 77        | 40-120      | 1   | 25        |                 |
| Hexachlorocyclopentadiene                                   | 1390   | 830             | 90  | ug/kg | 3330        | ND                        | 42        | 20-125      | 20  | 30        |                 |
| Hexachloroethane  | 2370   | 330             | 65  | ug/kg | 3330        | ND                        | 71        | 35-120      | 3   | 30        |                 |
| Indeno(1,2,3-cd)pyrene                                      | 3540   | 330             | 130 | ug/kg | 3330        | ND                        | 106       | 20-130      | 2   | 30        |                 |
| Isophorone  | 2850   | 330             | 60  | ug/kg | 3330        | ND                        | 85        | 40-120      | 2   | 25        |                 |
| 2-Methylnaphthalene   | 3030   | 330             | 70  | ug/kg | 3330        | ND                        | 91        | 40-120      | 5   | 20        |                 |
| 2-Methylphenol  | 3180   | 330             | 80  | ug/kg | 3330        | ND                        | 96        | 40-120      | 0   | 25        |                 |
| 4-Methylphenol  | 3270   | 330             | 80  | ug/kg | 3330        | ND                        | 98        | 45-120      | 2   | 25        |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10072 Extracted: 09/10/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I10072-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0730-01</b> |           |             |     |           |                 |
| Naphthalene   | 2840   | 330             | 60  | ug/kg | 3330        | ND                        | 85        | 40-120      | 3   | 25        |                 |
| 2-Nitroaniline  | 3140   | 330             | 60  | ug/kg | 3330        | ND                        | 94        | 45-120      | 1   | 25        |                 |
| 3-Nitroaniline  | 2840   | 330             | 75  | ug/kg | 3330        | ND                        | 85        | 30-120      | 2   | 25        |                 |
| 4-Nitroaniline  | 3020   | 830             | 90  | ug/kg | 3330        | ND                        | 91        | 40-125      | 1   | 30        |                 |
| Nitrobenzene  | 2740   | 330             | 70  | ug/kg | 3330        | ND                        | 82        | 40-120      | 2   | 25        |                 |
| 2-Nitrophenol   | 2910   | 330             | 60  | ug/kg | 3330        | ND                        | 87        | 40-120      | 1   | 25        |                 |
| 4-Nitrophenol   | 2700   | 830             | 140 | ug/kg | 3330        | ND                        | 81        | 35-125      | 2   | 30        |                 |
| N-Nitroso-di-n-propylamine                                  | 2920   | 250             | 70  | ug/kg | 3330        | ND                        | 88        | 35-120      | 3   | 25        |                 |
| N-Nitrosodimethylamine                                      | 1940   | 330             | 55  | ug/kg | 3330        | ND                        | 58        | 25-125      | 1   | 25        |                 |
| N-Nitrosodiphenylamine                                      | 3090   | 330             | 80  | ug/kg | 3330        | ND                        | 93        | 45-125      | 3   | 25        |                 |
| Pentachlorophenol   | 2140   | 830             | 150 | ug/kg | 3330        | ND                        | 64        | 30-120      | 4   | 25        |                 |
| Phenanthrene  | 3160   | 330             | 60  | ug/kg | 3330        | ND                        | 95        | 50-120      | 2   | 25        |                 |
| Phenol  | 3150   | 330             | 90  | ug/kg | 3330        | ND                        | 95        | 40-120      | 1   | 25        |                 |
| Pyrene  | 3080   | 330             | 80  | ug/kg | 3330        | ND                        | 92        | 40-125      | 1   | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 2670   | 330             | 50  | ug/kg | 3330        | ND                        | 80        | 40-120      | 3   | 25        |                 |
| 2,4,5-Trichlorophenol                                       | 3310   | 330             | 130 | ug/kg | 3330        | ND                        | 99        | 45-120      | 2   | 20        |                 |
| 2,4,6-Trichlorophenol                                       | 3030   | 330             | 75  | ug/kg | 3330        | ND                        | 91        | 45-120      | 4   | 25        |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 5750   |                 |     | ug/kg | 6670        |                           | 86        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2550   |                 |     | ug/kg | 3330        |                           | 76        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5180   |                 |     | ug/kg | 6670        |                           | 78        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2390   |                 |     | ug/kg | 3330        |                           | 72        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5580   |                 |     | ug/kg | 6670        |                           | 84        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 2740   |                 |     | ug/kg | 3330        |                           | 82        | 40-135      |     |           |                 |

**Batch: 9I14086 Extracted: 09/14/09**

**Blank Analyzed: 09/14/2009 (9I14086-BLK1)**

|                      |    |     |     |       |  |  |  |  |  |  |  |
|----------------------|----|-----|-----|-------|--|--|--|--|--|--|--|
| Acenaphthene         | ND | 330 | 60  | ug/kg |  |  |  |  |  |  |  |
| Acenaphthylene       | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Aniline              | ND | 420 | 85  | ug/kg |  |  |  |  |  |  |  |
| Anthracene           | ND | 330 | 80  | ug/kg |  |  |  |  |  |  |  |
| Benzidine            | ND | 660 | 660 | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)anthracene   | ND | 330 | 70  | ug/kg |  |  |  |  |  |  |  |
| Benzo(a)pyrene       | ND | 330 | 55  | ug/kg |  |  |  |  |  |  |  |
| Benzo(b)fluoranthene | ND | 330 | 50  | ug/kg |  |  |  |  |  |  |  |
| Benzo(g,h,i)perylene | ND | 330 | 110 | ug/kg |  |  |  |  |  |  |  |

**TestAmerica Irvine**

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/14/2009 (9I14086-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| Benzo(k)fluoranthene                             | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Benzoic acid                                     | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Benzyl alcohol                                   | ND     | 330             | 200 | ug/kg |             |               |           |             |         |           |                 |
| 4-Bromophenyl phenyl ether                       | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Butyl benzyl phthalate                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloro-3-methylphenol                          | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chloroaniline                                  | ND     | 330             | 120 | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethoxy)methane                       | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroethyl)ether                          | ND     | 170             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-chloroisopropyl)ether                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Bis(2-ethylhexyl)phthalate                       | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chloronaphthalene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 2-Chlorophenol                                   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 4-Chlorophenyl phenyl ether                      | ND     | 330             | 85  | ug/kg |             |               |           |             |         |           |                 |
| Chrysene   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Dibenz(a,h)anthracene                            | ND     | 420             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dibenzofuran                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-butyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Dichlorobenzene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 1,3-Dichlorobenzene                              | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,4-Dichlorobenzene                              | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 3,3'-Dichlorobenzidine                           | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dichlorophenol                               | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Diethyl phthalate                                | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dimethylphenol                               | ND     | 330             | 100 | ug/kg |             |               |           |             |         |           |                 |
| Dimethyl phthalate                               | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| 4,6-Dinitro-2-methylphenol                       | ND     | 420             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrophenol                                | ND     | 660             | 110 | ug/kg |             |               |           |             |         |           |                 |
| 2,4-Dinitrotoluene                               | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 2,6-Dinitrotoluene                               | ND     | 330             | 95  | ug/kg |             |               |           |             |         |           |                 |
| Di-n-octyl phthalate                             | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                 | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Fluoranthene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Fluorene   | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorobenzene                                | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>        |        |                 |     |       |             |               |           |             |         |           |                 |
| <b>Blank Analyzed: 09/14/2009 (9I14086-BLK1)</b> |        |                 |     |       |             |               |           |             |         |           |                 |
| Hexachlorobutadiene                              | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Hexachlorocyclopentadiene                        | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Hexachloroethane                                 | ND     | 330             | 65  | ug/kg |             |               |           |             |         |           |                 |
| Indeno(1,2,3-cd)pyrene                           | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| Isophorone                                       | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylnaphthalene                              | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 4-Methylphenol                                   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Naphthalene                                      | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitroaniline                                   | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 3-Nitroaniline                                   | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitroaniline                                   | ND     | 830             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Nitrobenzene                                     | ND     | 330             | 70  | ug/kg |             |               |           |             |         |           |                 |
| 2-Nitrophenol                                    | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| 4-Nitrophenol                                    | ND     | 830             | 140 | ug/kg |             |               |           |             |         |           |                 |
| N-Nitroso-di-n-propylamine                       | ND     | 250             | 70  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodimethylamine                           | ND     | 330             | 55  | ug/kg |             |               |           |             |         |           |                 |
| N-Nitrosodiphenylamine                           | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| Pentachlorophenol                                | ND     | 830             | 150 | ug/kg |             |               |           |             |         |           |                 |
| Phenanthrene                                     | ND     | 330             | 60  | ug/kg |             |               |           |             |         |           |                 |
| Phenol   | ND     | 330             | 90  | ug/kg |             |               |           |             |         |           |                 |
| Pyrene   | ND     | 330             | 80  | ug/kg |             |               |           |             |         |           |                 |
| 1,2,4-Trichlorobenzene                           | ND     | 330             | 50  | ug/kg |             |               |           |             |         |           |                 |
| 2,4,5-Trichlorophenol                            | ND     | 330             | 130 | ug/kg |             |               |           |             |         |           |                 |
| 2,4,6-Trichlorophenol                            | ND     | 330             | 75  | ug/kg |             |               |           |             |         |           |                 |
| Surrogate: 2,4,6-Tribromophenol                  | 6060   |                 |     | ug/kg | 6670        |               | 91        | 35-125      |         |           |                 |
| Surrogate: 2-Fluorobiphenyl                      | 2550   |                 |     | ug/kg | 3330        |               | 76        | 35-120      |         |           |                 |
| Surrogate: 2-Fluorophenol                        | 5650   |                 |     | ug/kg | 6670        |               | 85        | 25-120      |         |           |                 |
| Surrogate: Nitrobenzene-d5                       | 2320   |                 |     | ug/kg | 3330        |               | 70        | 30-120      |         |           |                 |
| Surrogate: Phenol-d6                             | 5610   |                 |     | ug/kg | 6670        |               | 84        | 35-120      |         |           |                 |
| Surrogate: Terphenyl-d14                         | 2570   |                 |     | ug/kg | 3330        |               | 77        | 40-135      |         |           |                 |

TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/14/2009 (9I14086-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene                                  | 2690   | 330             | 60  | ug/kg | 3330        |               | 81        | 50-120      |     |           |                 |
| Acenaphthylene                                | 2660   | 330             | 70  | ug/kg | 3330        |               | 80        | 50-120      |     |           |                 |
| Aniline                                       | 2790   | 420             | 85  | ug/kg | 3330        |               | 84        | 25-120      |     |           |                 |
| Anthracene                                    | 2820   | 330             | 80  | ug/kg | 3330        |               | 85        | 55-120      |     |           |                 |
| Benzidine                                     | 1450   | 660             | 660 | ug/kg | 3330        |               | 44        | 20-120      |     |           |                 |
| Benzo(a)anthracene                            | 2680   | 330             | 70  | ug/kg | 3330        |               | 80        | 55-120      |     |           |                 |
| Benzo(a)pyrene                                | 2920   | 330             | 55  | ug/kg | 3330        |               | 88        | 50-125      |     |           |                 |
| Benzo(b)fluoranthene                          | 2860   | 330             | 50  | ug/kg | 3330        |               | 86        | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                          | 3260   | 330             | 110 | ug/kg | 3330        |               | 98        | 35-130      |     |           |                 |
| Benzo(k)fluoranthene                          | 2990   | 330             | 70  | ug/kg | 3330        |               | 90        | 45-125      |     |           |                 |
| Benzoic acid                                  | 2010   | 830             | 150 | ug/kg | 3330        |               | 60        | 20-120      |     |           |                 |
| Benzyl alcohol                                | 2630   | 330             | 200 | ug/kg | 3330        |               | 79        | 35-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                    | 2850   | 330             | 75  | ug/kg | 3330        |               | 85        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                        | 2790   | 330             | 80  | ug/kg | 3330        |               | 84        | 50-125      |     |           |                 |
| 4-Chloro-3-methylphenol                       | 2880   | 330             | 70  | ug/kg | 3330        |               | 87        | 50-125      |     |           |                 |
| 4-Chloroaniline                               | 2210   | 330             | 120 | ug/kg | 3330        |               | 66        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                    | 2460   | 330             | 70  | ug/kg | 3330        |               | 74        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                       | 2120   | 170             | 60  | ug/kg | 3330        |               | 64        | 35-120      |     |           |                 |
| Bis(2-chloroisopropyl)ether                   | 2020   | 330             | 60  | ug/kg | 3330        |               | 61        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                    | 2930   | 330             | 90  | ug/kg | 3330        |               | 88        | 50-130      |     |           |                 |
| 2-Chloronaphthalene                           | 2650   | 330             | 65  | ug/kg | 3330        |               | 80        | 45-120      |     |           |                 |
| 2-Chlorophenol                                | 2750   | 330             | 70  | ug/kg | 3330        |               | 83        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                   | 2620   | 330             | 85  | ug/kg | 3330        |               | 79        | 55-120      |     |           |                 |
| Chrysene                                      | 2710   | 330             | 75  | ug/kg | 3330        |               | 81        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                         | 2960   | 420             | 100 | ug/kg | 3330        |               | 89        | 40-135      |     |           |                 |
| Dibenzofuran                                  | 2670   | 330             | 60  | ug/kg | 3330        |               | 80        | 55-120      |     |           |                 |
| Di-n-butyl phthalate                          | 2840   | 330             | 90  | ug/kg | 3330        |               | 85        | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                           | 2380   | 330             | 60  | ug/kg | 3330        |               | 71        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                           | 2260   | 330             | 90  | ug/kg | 3330        |               | 68        | 35-120      |     |           |                 |
| 1,4-Dichlorobenzene                           | 2290   | 330             | 65  | ug/kg | 3330        |               | 69        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                        | 2290   | 830             | 150 | ug/kg | 3330        |               | 69        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                            | 2850   | 330             | 60  | ug/kg | 3330        |               | 85        | 45-120      |     |           |                 |
| Diethyl phthalate                             | 2610   | 330             | 95  | ug/kg | 3330        |               | 78        | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                            | 2640   | 330             | 100 | ug/kg | 3330        |               | 79        | 40-120      |     |           |                 |
| Dimethyl phthalate                            | 2620   | 330             | 65  | ug/kg | 3330        |               | 79        | 50-125      |     |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte                                       | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>     |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/14/2009 (9I14086-BS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| 4,6-Dinitro-2-methylphenol                    | 2710   | 420             | 110 | ug/kg | 3330        |               | 81        | 40-120      |     |           |                 |
| 2,4-Dinitrophenol                             | 1850   | 660             | 110 | ug/kg | 3330        |               | 56        | 25-120      |     |           |                 |
| 2,4-Dinitrotoluene                            | 2770   | 330             | 80  | ug/kg | 3330        |               | 83        | 55-125      |     |           |                 |
| 2,6-Dinitrotoluene                            | 2670   | 330             | 95  | ug/kg | 3330        |               | 80        | 55-125      |     |           |                 |
| Di-n-octyl phthalate                          | 2770   | 330             | 90  | ug/kg | 3330        |               | 83        | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene              | 2350   | 330             | 60  | ug/kg | 3330        |               | 70        | 50-125      |     |           |                 |
| Fluoranthene                                  | 2650   | 330             | 70  | ug/kg | 3330        |               | 80        | 55-120      |     |           |                 |
| Fluorene                                      | 2620   | 330             | 70  | ug/kg | 3330        |               | 78        | 55-120      |     |           |                 |
| Hexachlorobenzene                             | 2870   | 330             | 70  | ug/kg | 3330        |               | 86        | 50-120      |     |           |                 |
| Hexachlorobutadiene                           | 2430   | 330             | 60  | ug/kg | 3330        |               | 73        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                     | 1530   | 830             | 90  | ug/kg | 3330        |               | 46        | 30-125      |     |           |                 |
| Hexachloroethane                              | 2200   | 330             | 65  | ug/kg | 3330        |               | 66        | 40-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                        | 2920   | 330             | 130 | ug/kg | 3330        |               | 88        | 30-135      |     |           |                 |
| Isophorone                                    | 2430   | 330             | 60  | ug/kg | 3330        |               | 73        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                           | 2530   | 330             | 70  | ug/kg | 3330        |               | 76        | 45-120      |     |           |                 |
| 2-Methylphenol                                | 2750   | 330             | 80  | ug/kg | 3330        |               | 82        | 40-120      |     |           |                 |
| 4-Methylphenol                                | 2810   | 330             | 80  | ug/kg | 3330        |               | 84        | 45-120      |     |           |                 |
| Naphthalene                                   | 2510   | 330             | 60  | ug/kg | 3330        |               | 75        | 45-120      |     |           |                 |
| 2-Nitroaniline                                | 2660   | 330             | 60  | ug/kg | 3330        |               | 80        | 50-125      |     |           |                 |
| 3-Nitroaniline                                | 2250   | 330             | 75  | ug/kg | 3330        |               | 68        | 35-120      |     |           |                 |
| 4-Nitroaniline                                | 2500   | 830             | 90  | ug/kg | 3330        |               | 75        | 45-125      |     |           |                 |
| Nitrobenzene                                  | 2450   | 330             | 70  | ug/kg | 3330        |               | 74        | 45-120      |     |           |                 |
| 2-Nitrophenol                                 | 2670   | 330             | 60  | ug/kg | 3330        |               | 80        | 45-120      |     |           |                 |
| 4-Nitrophenol                                 | 2260   | 830             | 140 | ug/kg | 3330        |               | 68        | 40-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                    | 2400   | 250             | 70  | ug/kg | 3330        |               | 72        | 40-120      |     |           |                 |
| N-Nitrosodimethylamine                        | 1900   | 330             | 55  | ug/kg | 3330        |               | 57        | 25-120      |     |           |                 |
| N-Nitrosodiphenylamine                        | 2900   | 330             | 80  | ug/kg | 3330        |               | 87        | 50-120      |     |           |                 |
| Pentachlorophenol                             | 2260   | 830             | 150 | ug/kg | 3330        |               | 68        | 40-120      |     |           |                 |
| Phenanthrene                                  | 2810   | 330             | 60  | ug/kg | 3330        |               | 84        | 50-120      |     |           |                 |
| Phenol  | 2790   | 330             | 90  | ug/kg | 3330        |               | 84        | 40-120      |     |           |                 |
| Pyrene  | 2610   | 330             | 80  | ug/kg | 3330        |               | 78        | 45-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                        | 2440   | 330             | 50  | ug/kg | 3330        |               | 73        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                         | 2930   | 330             | 130 | ug/kg | 3330        |               | 88        | 50-120      |     |           |                 |
| 2,4,6-Trichlorophenol                         | 3020   | 330             | 75  | ug/kg | 3330        |               | 91        | 50-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol               | 6150   |                 |     | ug/kg | 6670        |               | 92        | 35-125      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>              |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>LCS Analyzed: 09/14/2009 (9I14086-BS1)</b>          |        |                 |     |       |             |               |           |             |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                            | 2590   |                 |     | ug/kg | 3330        |               | 78        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                              | 5460   |                 |     | ug/kg | 6670        |               | 82        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                             | 2360   |                 |     | ug/kg | 3330        |               | 71        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6                                   | 5410   |                 |     | ug/kg | 6670        |               | 81        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                               | 2490   |                 |     | ug/kg | 3330        |               | 75        | 40-135      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/14/2009 (9I14086-MS1)</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Source: ISI0997-01</b>                              |        |                 |     |       |             |               |           |             |     |           |                 |
| Acenaphthene   | 2690   | 330             | 60  | ug/kg | 3330        | ND            | 81        | 45-120      |     |           |                 |
| Acenaphthylene   | 2630   | 330             | 70  | ug/kg | 3330        | ND            | 79        | 45-120      |     |           |                 |
| Aniline  | 2640   | 420             | 85  | ug/kg | 3330        | ND            | 79        | 25-120      |     |           |                 |
| Anthracene   | 2920   | 330             | 80  | ug/kg | 3330        | ND            | 88        | 55-120      |     |           |                 |
| Benzidine  | ND     | 660             | 660 | ug/kg | 3330        | ND            |           | 20-120      |     |           | M2              |
| Benzo(a)anthracene                                     | 2770   | 330             | 70  | ug/kg | 3330        | ND            | 83        | 50-120      |     |           |                 |
| Benzo(a)pyrene   | 3010   | 330             | 55  | ug/kg | 3330        | ND            | 90        | 45-125      |     |           |                 |
| Benzo(b)fluoranthene                                   | 2960   | 330             | 50  | ug/kg | 3330        | ND            | 89        | 45-125      |     |           |                 |
| Benzo(g,h,i)perylene                                   | 3810   | 330             | 110 | ug/kg | 3330        | ND            | 114       | 25-130      |     |           |                 |
| Benzo(k)fluoranthene                                   | 3080   | 330             | 70  | ug/kg | 3330        | ND            | 92        | 45-125      |     |           |                 |
| Benzoic acid   | 2020   | 830             | 150 | ug/kg | 3330        | ND            | 61        | 20-120      |     |           |                 |
| Benzyl alcohol   | 2680   | 330             | 200 | ug/kg | 3330        | ND            | 80        | 20-120      |     |           |                 |
| 4-Bromophenyl phenyl ether                             | 2910   | 330             | 75  | ug/kg | 3330        | ND            | 87        | 45-120      |     |           |                 |
| Butyl benzyl phthalate                                 | 2890   | 330             | 80  | ug/kg | 3330        | ND            | 87        | 45-125      |     |           |                 |
| 4-Chloro-3-methylphenol                                | 3070   | 330             | 70  | ug/kg | 3330        | ND            | 92        | 50-125      |     |           |                 |
| 4-Chloroaniline  | 2310   | 330             | 120 | ug/kg | 3330        | ND            | 69        | 20-120      |     |           |                 |
| Bis(2-chloroethoxy)methane                             | 2390   | 330             | 70  | ug/kg | 3330        | ND            | 72        | 45-120      |     |           |                 |
| Bis(2-chloroethyl)ether                                | 2090   | 170             | 60  | ug/kg | 3330        | ND            | 63        | 35-110      |     |           |                 |
| Bis(2-chloroisopropyl)ether                            | 2020   | 330             | 60  | ug/kg | 3330        | ND            | 61        | 40-120      |     |           |                 |
| Bis(2-ethylhexyl)phthalate                             | 3030   | 330             | 90  | ug/kg | 3330        | ND            | 91        | 45-130      |     |           |                 |
| 2-Chloronaphthalene                                    | 2630   | 330             | 65  | ug/kg | 3330        | ND            | 79        | 45-120      |     |           |                 |
| 2-Chlorophenol   | 2780   | 330             | 70  | ug/kg | 3330        | ND            | 83        | 40-120      |     |           |                 |
| 4-Chlorophenyl phenyl ether                            | 2630   | 330             | 85  | ug/kg | 3330        | ND            | 79        | 50-120      |     |           |                 |
| Chrysene   | 2770   | 330             | 75  | ug/kg | 3330        | ND            | 83        | 55-120      |     |           |                 |
| Dibenz(a,h)anthracene                                  | 3410   | 420             | 100 | ug/kg | 3330        | ND            | 102       | 25-135      |     |           |                 |
| Dibenzofuran   | 2670   | 330             | 60  | ug/kg | 3330        | ND            | 80        | 50-120      |     |           |                 |
| Di-n-butyl phthalate                                   | 2940   | 330             | 90  | ug/kg | 3330        | ND            | 88        | 50-125      |     |           |                 |
| 1,2-Dichlorobenzene                                    | 2290   | 330             | 60  | ug/kg | 3330        | ND            | 69        | 40-120      |     |           |                 |
| 1,3-Dichlorobenzene                                    | 2140   | 330             | 90  | ug/kg | 3330        | ND            | 64        | 35-120      |     |           |                 |

#### TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9114086 Extracted: 09/14/09</b>              |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/14/2009 (9114086-MS1)</b> |        |                 |     |       |             | <b>Source: ISI0997-01</b> |           |             |     |           |                 |
| 1,4-Dichlorobenzene                                    | 2240   | 330             | 65  | ug/kg | 3330        | ND                        | 67        | 35-120      |     |           |                 |
| 3,3'-Dichlorobenzidine                                 | 2350   | 830             | 150 | ug/kg | 3330        | ND                        | 71        | 20-130      |     |           |                 |
| 2,4-Dichlorophenol                                     | 2910   | 330             | 60  | ug/kg | 3330        | ND                        | 87        | 45-120      |     |           |                 |
| Diethyl phthalate                                      | 2650   | 330             | 95  | ug/kg | 3330        | ND                        | 79        | 50-125      |     |           |                 |
| 2,4-Dimethylphenol                                     | 2540   | 330             | 100 | ug/kg | 3330        | ND                        | 76        | 30-120      |     |           |                 |
| Dimethyl phthalate                                     | 2570   | 330             | 65  | ug/kg | 3330        | ND                        | 77        | 45-125      |     |           |                 |
| 4,6-Dinitro-2-methylphenol                             | 2830   | 420             | 110 | ug/kg | 3330        | ND                        | 85        | 35-120      |     |           |                 |
| 2,4-Dinitrophenol                                      | 2130   | 660             | 110 | ug/kg | 3330        | ND                        | 64        | 20-120      |     |           |                 |
| 2,4-Dinitrotoluene                                     | 2840   | 330             | 80  | ug/kg | 3330        | ND                        | 85        | 50-125      |     |           |                 |
| 2,6-Dinitrotoluene                                     | 2660   | 330             | 95  | ug/kg | 3330        | ND                        | 80        | 50-125      |     |           |                 |
| Di-n-octyl phthalate                                   | 2900   | 330             | 90  | ug/kg | 3330        | ND                        | 87        | 50-135      |     |           |                 |
| 1,2-Diphenylhydrazine/Azobenzene                       | 2390   | 330             | 60  | ug/kg | 3330        | ND                        | 72        | 50-125      |     |           |                 |
| Fluoranthene   | 2870   | 330             | 70  | ug/kg | 3330        | ND                        | 86        | 45-120      |     |           |                 |
| Fluorene   | 2660   | 330             | 70  | ug/kg | 3330        | ND                        | 80        | 50-120      |     |           |                 |
| Hexachlorobenzene                                      | 2940   | 330             | 70  | ug/kg | 3330        | ND                        | 88        | 50-120      |     |           |                 |
| Hexachlorobutadiene                                    | 2390   | 330             | 60  | ug/kg | 3330        | ND                        | 72        | 40-120      |     |           |                 |
| Hexachlorocyclopentadiene                              | 1540   | 830             | 90  | ug/kg | 3330        | ND                        | 46        | 20-125      |     |           |                 |
| Hexachloroethane                                       | 2130   | 330             | 65  | ug/kg | 3330        | ND                        | 64        | 35-120      |     |           |                 |
| Indeno(1,2,3-cd)pyrene                                 | 3440   | 330             | 130 | ug/kg | 3330        | ND                        | 103       | 20-130      |     |           |                 |
| Isophorone   | 2380   | 330             | 60  | ug/kg | 3330        | ND                        | 71        | 40-120      |     |           |                 |
| 2-Methylnaphthalene                                    | 2560   | 330             | 70  | ug/kg | 3330        | ND                        | 77        | 40-120      |     |           |                 |
| 2-Methylphenol   | 2740   | 330             | 80  | ug/kg | 3330        | ND                        | 82        | 40-120      |     |           |                 |
| 4-Methylphenol   | 2850   | 330             | 80  | ug/kg | 3330        | ND                        | 86        | 45-120      |     |           |                 |
| Naphthalene  | 2490   | 330             | 60  | ug/kg | 3330        | ND                        | 75        | 40-120      |     |           |                 |
| 2-Nitroaniline   | 2670   | 330             | 60  | ug/kg | 3330        | ND                        | 80        | 45-120      |     |           |                 |
| 3-Nitroaniline   | 2500   | 330             | 75  | ug/kg | 3330        | ND                        | 75        | 30-120      |     |           |                 |
| 4-Nitroaniline   | 2550   | 830             | 90  | ug/kg | 3330        | ND                        | 76        | 40-125      |     |           |                 |
| Nitrobenzene   | 2420   | 330             | 70  | ug/kg | 3330        | ND                        | 73        | 40-120      |     |           |                 |
| 2-Nitrophenol  | 2630   | 330             | 60  | ug/kg | 3330        | ND                        | 79        | 40-120      |     |           |                 |
| 4-Nitrophenol  | 2550   | 830             | 140 | ug/kg | 3330        | ND                        | 76        | 35-125      |     |           |                 |
| N-Nitroso-di-n-propylamine                             | 2420   | 250             | 70  | ug/kg | 3330        | ND                        | 73        | 35-120      |     |           |                 |
| N-Nitrosodimethylamine                                 | 1740   | 330             | 55  | ug/kg | 3330        | ND                        | 52        | 25-125      |     |           |                 |
| N-Nitrosodiphenylamine                                 | 2930   | 330             | 80  | ug/kg | 3330        | ND                        | 88        | 45-125      |     |           |                 |
| Pentachlorophenol                                      | 2390   | 830             | 150 | ug/kg | 3330        | ND                        | 72        | 30-120      |     |           |                 |
| Phenanthrene   | 2880   | 330             | 60  | ug/kg | 3330        | ND                        | 87        | 50-120      |     |           |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I14086 Extracted: 09/14/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/14/2009 (9I14086-MS1)</b>      |        |                 |     |       |             | <b>Source: ISI0997-01</b> |           |             |     |           |                 |
| Phenol  | 2800   | 330             | 90  | ug/kg | 3330        | ND                        | 84        | 40-120      |     |           |                 |
| Pyrene  | 2680   | 330             | 80  | ug/kg | 3330        | ND                        | 80        | 40-125      |     |           |                 |
| 1,2,4-Trichlorobenzene                                      | 2420   | 330             | 50  | ug/kg | 3330        | ND                        | 73        | 40-120      |     |           |                 |
| 2,4,5-Trichlorophenol                                       | 3130   | 330             | 130 | ug/kg | 3330        | ND                        | 94        | 45-120      |     |           |                 |
| 2,4,6-Trichlorophenol                                       | 3000   | 330             | 75  | ug/kg | 3330        | ND                        | 90        | 45-120      |     |           |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6460   |                 |     | ug/kg | 6670        |                           | 97        | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2510   |                 |     | ug/kg | 3330        |                           | 75        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5320   |                 |     | ug/kg | 6670        |                           | 80        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2290   |                 |     | ug/kg | 3330        |                           | 69        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5520   |                 |     | ug/kg | 6670        |                           | 83        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 2500   |                 |     | ug/kg | 3330        |                           | 75        | 40-135      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/14/2009 (9I14086-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0997-01</b> |           |             |     |           |                 |
| Acenaphthene  | 2830   | 330             | 60  | ug/kg | 3330        | ND                        | 85        | 45-120      | 5   | 25        |                 |
| Acenaphthylene  | 2780   | 330             | 70  | ug/kg | 3330        | ND                        | 83        | 45-120      | 6   | 20        |                 |
| Aniline   | 2690   | 420             | 85  | ug/kg | 3330        | ND                        | 81        | 25-120      | 2   | 30        |                 |
| Anthracene  | 3070   | 330             | 80  | ug/kg | 3330        | ND                        | 92        | 55-120      | 5   | 25        |                 |
| Benzidine   | ND     | 660             | 660 | ug/kg | 3330        | ND                        |           | 20-120      |     | 30        | M2              |
| Benzo(a)anthracene  | 2900   | 330             | 70  | ug/kg | 3330        | ND                        | 87        | 50-120      | 5   | 25        |                 |
| Benzo(a)pyrene  | 3170   | 330             | 55  | ug/kg | 3330        | ND                        | 95        | 45-125      | 5   | 25        |                 |
| Benzo(b)fluoranthene  | 3000   | 330             | 50  | ug/kg | 3330        | ND                        | 90        | 45-125      | 1   | 30        |                 |
| Benzo(g,h,i)perylene  | 3800   | 330             | 110 | ug/kg | 3330        | ND                        | 114       | 25-130      | 0   | 30        |                 |
| Benzo(k)fluoranthene  | 3170   | 330             | 70  | ug/kg | 3330        | ND                        | 95        | 45-125      | 3   | 30        |                 |
| Benzoic acid  | 2040   | 830             | 150 | ug/kg | 3330        | ND                        | 61        | 20-120      | 1   | 30        |                 |
| Benzyl alcohol  | 2770   | 330             | 200 | ug/kg | 3330        | ND                        | 83        | 20-120      | 3   | 30        |                 |
| 4-Bromophenyl phenyl ether                                  | 3020   | 330             | 75  | ug/kg | 3330        | ND                        | 91        | 45-120      | 4   | 20        |                 |
| Butyl benzyl phthalate                                      | 3120   | 330             | 80  | ug/kg | 3330        | ND                        | 94        | 45-125      | 8   | 25        |                 |
| 4-Chloro-3-methylphenol                                     | 3180   | 330             | 70  | ug/kg | 3330        | ND                        | 96        | 50-125      | 4   | 25        |                 |
| 4-Chloroaniline   | 2380   | 330             | 120 | ug/kg | 3330        | ND                        | 71        | 20-120      | 3   | 30        |                 |
| Bis(2-chloroethoxy)methane                                  | 2510   | 330             | 70  | ug/kg | 3330        | ND                        | 75        | 45-120      | 5   | 25        |                 |
| Bis(2-chloroethyl)ether                                     | 2130   | 170             | 60  | ug/kg | 3330        | ND                        | 64        | 35-110      | 2   | 25        |                 |
| Bis(2-chloroisopropyl)ether                                 | 2100   | 330             | 60  | ug/kg | 3330        | ND                        | 63        | 40-120      | 4   | 25        |                 |
| Bis(2-ethylhexyl)phthalate                                  | 3360   | 330             | 90  | ug/kg | 3330        | ND                        | 101       | 45-130      | 10  | 25        |                 |
| 2-Chloronaphthalene   | 2790   | 330             | 65  | ug/kg | 3330        | ND                        | 84        | 45-120      | 6   | 20        |                 |
| 2-Chlorophenol  | 2860   | 330             | 70  | ug/kg | 3330        | ND                        | 86        | 40-120      | 3   | 20        |                 |
| 4-Chlorophenyl phenyl ether                                 | 2810   | 330             | 85  | ug/kg | 3330        | ND                        | 84        | 50-120      | 7   | 25        |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

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Received: 09/04/09

## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9114086 Extracted: 09/14/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/14/2009 (9114086-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0997-01</b> |           |             |     |           |                 |
| Chrysene  | 2890   | 330             | 75  | ug/kg | 3330        | ND                        | 87        | 55-120      | 4   | 25        |                 |
| Dibenz(a,h)anthracene                                       | 3620   | 420             | 100 | ug/kg | 3330        | ND                        | 109       | 25-135      | 6   | 30        |                 |
| Dibenzofuran  | 2800   | 330             | 60  | ug/kg | 3330        | ND                        | 84        | 50-120      | 5   | 25        |                 |
| Di-n-butyl phthalate  | 3090   | 330             | 90  | ug/kg | 3330        | ND                        | 93        | 50-125      | 5   | 25        |                 |
| 1,2-Dichlorobenzene   | 2430   | 330             | 60  | ug/kg | 3330        | ND                        | 73        | 40-120      | 6   | 25        |                 |
| 1,3-Dichlorobenzene   | 2220   | 330             | 90  | ug/kg | 3330        | ND                        | 66        | 35-120      | 4   | 25        |                 |
| 1,4-Dichlorobenzene   | 2280   | 330             | 65  | ug/kg | 3330        | ND                        | 69        | 35-120      | 2   | 25        |                 |
| 3,3'-Dichlorobenzidine                                      | 2270   | 830             | 150 | ug/kg | 3330        | ND                        | 68        | 20-130      | 4   | 25        |                 |
| 2,4-Dichlorophenol  | 3120   | 330             | 60  | ug/kg | 3330        | ND                        | 94        | 45-120      | 7   | 25        |                 |
| Diethyl phthalate   | 2730   | 330             | 95  | ug/kg | 3330        | ND                        | 82        | 50-125      | 3   | 25        |                 |
| 2,4-Dimethylphenol  | 2600   | 330             | 100 | ug/kg | 3330        | ND                        | 78        | 30-120      | 2   | 25        |                 |
| Dimethyl phthalate  | 2700   | 330             | 65  | ug/kg | 3330        | ND                        | 81        | 45-125      | 5   | 25        |                 |
| 4,6-Dinitro-2-methylphenol                                  | 2740   | 420             | 110 | ug/kg | 3330        | ND                        | 82        | 35-120      | 3   | 25        |                 |
| 2,4-Dinitrophenol   | 1940   | 660             | 110 | ug/kg | 3330        | ND                        | 58        | 20-120      | 9   | 25        |                 |
| 2,4-Dinitrotoluene  | 2910   | 330             | 80  | ug/kg | 3330        | ND                        | 87        | 50-125      | 3   | 25        |                 |
| 2,6-Dinitrotoluene  | 2800   | 330             | 95  | ug/kg | 3330        | ND                        | 84        | 50-125      | 5   | 20        |                 |
| Di-n-octyl phthalate  | 3110   | 330             | 90  | ug/kg | 3330        | ND                        | 93        | 50-135      | 7   | 25        |                 |
| 1,2-Diphenylhydrazine/Azobenzene                            | 2500   | 330             | 60  | ug/kg | 3330        | ND                        | 75        | 50-125      | 5   | 25        |                 |
| Fluoranthene  | 3050   | 330             | 70  | ug/kg | 3330        | ND                        | 92        | 45-120      | 6   | 25        |                 |
| Fluorene  | 2800   | 330             | 70  | ug/kg | 3330        | ND                        | 84        | 50-120      | 5   | 25        |                 |
| Hexachlorobenzene   | 3020   | 330             | 70  | ug/kg | 3330        | ND                        | 91        | 50-120      | 3   | 25        |                 |
| Hexachlorobutadiene   | 2500   | 330             | 60  | ug/kg | 3330        | ND                        | 75        | 40-120      | 4   | 25        |                 |
| Hexachlorocyclopentadiene                                   | 1380   | 830             | 90  | ug/kg | 3330        | ND                        | 41        | 20-125      | 11  | 30        |                 |
| Hexachloroethane  | 2200   | 330             | 65  | ug/kg | 3330        | ND                        | 66        | 35-120      | 3   | 30        |                 |
| Indeno(1,2,3-cd)pyrene                                      | 3470   | 330             | 130 | ug/kg | 3330        | ND                        | 104       | 20-130      | 1   | 30        |                 |
| Isophorone  | 2490   | 330             | 60  | ug/kg | 3330        | ND                        | 75        | 40-120      | 5   | 25        |                 |
| 2-Methylnaphthalene   | 2710   | 330             | 70  | ug/kg | 3330        | ND                        | 81        | 40-120      | 6   | 20        |                 |
| 2-Methylphenol  | 2850   | 330             | 80  | ug/kg | 3330        | ND                        | 86        | 40-120      | 4   | 25        |                 |
| 4-Methylphenol  | 2970   | 330             | 80  | ug/kg | 3330        | ND                        | 89        | 45-120      | 4   | 25        |                 |
| Naphthalene   | 2640   | 330             | 60  | ug/kg | 3330        | ND                        | 79        | 40-120      | 6   | 25        |                 |
| 2-Nitroaniline  | 2810   | 330             | 60  | ug/kg | 3330        | ND                        | 84        | 45-120      | 5   | 25        |                 |
| 3-Nitroaniline  | 2580   | 330             | 75  | ug/kg | 3330        | ND                        | 77        | 30-120      | 3   | 25        |                 |
| 4-Nitroaniline  | 2610   | 830             | 90  | ug/kg | 3330        | ND                        | 78        | 40-125      | 2   | 30        |                 |
| Nitrobenzene  | 2480   | 330             | 70  | ug/kg | 3330        | ND                        | 75        | 40-120      | 3   | 25        |                 |
| 2-Nitrophenol   | 2730   | 330             | 60  | ug/kg | 3330        | ND                        | 82        | 40-120      | 4   | 25        |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

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## METHOD BLANK/QC DATA

### SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9114086 Extracted: 09/14/09</b>                   |        |                 |     |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/14/2009 (9114086-MSD1)</b> |        |                 |     |       |             | <b>Source: ISI0997-01</b> |           |             |     |           |                 |
| 4-Nitrophenol   | 2650   | 830             | 140 | ug/kg | 3330        | ND                        | 80        | 35-125      | 4   | 30        |                 |
| N-Nitroso-di-n-propylamine                                  | 2530   | 250             | 70  | ug/kg | 3330        | ND                        | 76        | 35-120      | 4   | 25        |                 |
| N-Nitrosodimethylamine                                      | 1770   | 330             | 55  | ug/kg | 3330        | ND                        | 53        | 25-125      | 2   | 25        |                 |
| N-Nitrosodiphenylamine                                      | 3080   | 330             | 80  | ug/kg | 3330        | ND                        | 92        | 45-125      | 5   | 25        |                 |
| Pentachlorophenol   | 2460   | 830             | 150 | ug/kg | 3330        | ND                        | 74        | 30-120      | 3   | 25        |                 |
| Phenanthrene  | 3000   | 330             | 60  | ug/kg | 3330        | ND                        | 90        | 50-120      | 4   | 25        |                 |
| Phenol  | 2950   | 330             | 90  | ug/kg | 3330        | ND                        | 89        | 40-120      | 6   | 25        |                 |
| Pyrene  | 2880   | 330             | 80  | ug/kg | 3330        | ND                        | 87        | 40-125      | 7   | 30        |                 |
| 1,2,4-Trichlorobenzene                                      | 2560   | 330             | 50  | ug/kg | 3330        | ND                        | 77        | 40-120      | 5   | 25        |                 |
| 2,4,5-Trichlorophenol                                       | 3230   | 330             | 130 | ug/kg | 3330        | ND                        | 97        | 45-120      | 3   | 20        |                 |
| 2,4,6-Trichlorophenol                                       | 3140   | 330             | 75  | ug/kg | 3330        | ND                        | 94        | 45-120      | 5   | 25        |                 |
| Surrogate: 2,4,6-Tribromophenol                             | 6640   |                 |     | ug/kg | 6660        |                           | 100       | 35-125      |     |           |                 |
| Surrogate: 2-Fluorobiphenyl                                 | 2680   |                 |     | ug/kg | 3330        |                           | 80        | 35-120      |     |           |                 |
| Surrogate: 2-Fluorophenol                                   | 5410   |                 |     | ug/kg | 6660        |                           | 81        | 25-120      |     |           |                 |
| Surrogate: Nitrobenzene-d5                                  | 2380   |                 |     | ug/kg | 3330        |                           | 71        | 30-120      |     |           |                 |
| Surrogate: Phenol-d6  | 5740   |                 |     | ug/kg | 6660        |                           | 86        | 35-120      |     |           |                 |
| Surrogate: Terphenyl-d14                                    | 2700   |                 |     | ug/kg | 3330        |                           | 81        | 40-135      |     |           |                 |

TestAmerica Irvine

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10043 Extracted: 09/10/09</b>                                      |        |                 |     |       |             |               |           |             |     |           |                 |
| <b>Blank Analyzed: 09/11/2009 (9I10043-BLK1)</b>                               |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1221   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1232   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1242   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1248   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1254   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Aroclor 1260   | ND     | 50              | 6.7 | ug/kg |             |               |           |             |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 35.0   |                 |     | ug/kg | 33.3        |               | 105       | 45-120      |     |           |                 |
| <b>LCS Analyzed: 09/11/2009 (9I10043-BS1)</b>                                  |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016   | 241    | 50              | 6.7 | ug/kg | 267         |               | 90        | 65-115      |     |           |                 |
| Aroclor 1260   | 251    | 50              | 6.7 | ug/kg | 267         |               | 94        | 65-115      |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 32.1   |                 |     | ug/kg | 33.3        |               | 96        | 45-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/11/2009 (9I10043-MS1) Source: ISI0413-12</b>      |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016   | 209    | 50              | 6.7 | ug/kg | 267         | ND            | 78        | 50-120      |     |           |                 |
| Aroclor 1260   | 235    | 50              | 6.7 | ug/kg | 267         | ND            | 88        | 50-125      |     |           |                 |
| Surrogate: Decachlorobiphenyl  | 29.5   |                 |     | ug/kg | 33.3        |               | 88        | 45-120      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/11/2009 (9I10043-MSD1) Source: ISI0413-12</b> |        |                 |     |       |             |               |           |             |     |           |                 |
| Aroclor 1016   | 238    | 50              | 6.7 | ug/kg | 267         | ND            | 89        | 50-120      | 13  | 30        |                 |
| Aroclor 1260   | 249    | 50              | 6.7 | ug/kg | 267         | ND            | 93        | 50-125      | 6   | 30        |                 |
| Surrogate: Decachlorobiphenyl  | 31.4   |                 |     | ug/kg | 33.3        |               | 94        | 45-120      |     |           |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|------------|---------|-----------------|
| <b>Batch: 9I10074 Extracted: 09/10/09</b>        |        |                 |      |       |             |               |           |            |         |                 |
| <b>Blank Analyzed: 09/10/2009 (9I10074-BLK1)</b> |        |                 |      |       |             |               |           |            |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |            |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |            |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |            |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |            |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |            |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |            |         |                 |
| Lead   | ND     | 2.0             | 0.50 | mg/kg |             |               |           |            |         |                 |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |            |         |                 |
| Nickel   | 0.435  | 2.0             | 0.20 | mg/kg |             |               |           |            |         | J               |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |            |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |            |         |                 |
| Thallium   | ND     | 10              | 0.80 | mg/kg |             |               |           |            |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |            |         |                 |
| Zinc   | 1.36   | 5.0             | 0.75 | mg/kg |             |               |           |            |         | J               |
| <b>LCS Analyzed: 09/10/2009 (9I10074-BS1)</b>    |        |                 |      |       |             |               |           |            |         |                 |
| Antimony   | 49.6   | 10              | 0.88 | mg/kg | 50.0        |               | 99        | 80-120     |         |                 |
| Arsenic  | 47.7   | 2.0             | 0.81 | mg/kg | 50.0        |               | 95        | 80-120     |         |                 |
| Barium   | 51.3   | 1.0             | 0.80 | mg/kg | 50.0        |               | 103       | 80-120     |         |                 |
| Beryllium  | 50.0   | 0.50            | 0.20 | mg/kg | 50.0        |               | 100       | 80-120     |         |                 |
| Cadmium  | 48.0   | 0.50            | 0.20 | mg/kg | 50.0        |               | 96        | 80-120     |         |                 |
| Chromium   | 49.1   | 1.0             | 0.30 | mg/kg | 50.0        |               | 98        | 80-120     |         |                 |
| Cobalt   | 48.1   | 1.0             | 0.30 | mg/kg | 50.0        |               | 96        | 80-120     |         |                 |
| Copper   | 49.6   | 2.0             | 0.38 | mg/kg | 50.0        |               | 99        | 80-120     |         |                 |
| Lead   | 49.8   | 2.0             | 0.50 | mg/kg | 50.0        |               | 100       | 80-120     |         |                 |
| Molybdenum                                       | 47.4   | 2.0             | 0.20 | mg/kg | 50.0        |               | 95        | 80-120     |         |                 |
| Nickel   | 49.8   | 2.0             | 0.20 | mg/kg | 50.0        |               | 100       | 80-120     |         |                 |
| Selenium   | 45.1   | 2.0             | 1.0  | mg/kg | 50.0        |               | 90        | 80-120     |         |                 |
| Silver   | 25.4   | 1.0             | 0.80 | mg/kg | 25.0        |               | 101       | 80-120     |         |                 |
| Thallium   | 48.7   | 10              | 0.80 | mg/kg | 50.0        |               | 97        | 80-120     |         |                 |
| Vanadium   | 49.5   | 1.0             | 0.30 | mg/kg | 50.0        |               | 99        | 80-120     |         |                 |
| Zinc   | 48.0   | 5.0             | 0.75 | mg/kg | 50.0        |               | 96        | 80-120     |         |                 |

### TestAmerica Irvine

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Project Manager

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5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I10074 Extracted: 09/10/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 09/10/2009 (9I10074-MS1)</b>      |        |                 |      |       |             | <b>Source: ISI0454-01</b> |           |             |     |           |                 |
| Antimony  | 21.7   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 43        | 75-125      |     |           | M2              |
| Arsenic   | 53.3   | 2.0             | 0.81 | mg/kg | 50.0        | 6.22                      | 94        | 75-125      |     |           |                 |
| Barium  | 177    | 1.0             | 0.80 | mg/kg | 50.0        | 127                       | 100       | 75-125      |     |           |                 |
| Beryllium   | 50.4   | 0.50            | 0.20 | mg/kg | 50.0        | 0.622                     | 100       | 75-125      |     |           |                 |
| Cadmium   | 46.4   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 93        | 75-125      |     |           |                 |
| Chromium  | 74.4   | 1.0             | 0.30 | mg/kg | 50.0        | 26.3                      | 96        | 75-125      |     |           |                 |
| Cobalt  | 56.1   | 1.0             | 0.30 | mg/kg | 50.0        | 10.6                      | 91        | 75-125      |     |           |                 |
| Copper  | 83.7   | 2.0             | 0.38 | mg/kg | 50.0        | 38.1                      | 91        | 75-125      |     |           |                 |
| Lead  | 103    | 2.0             | 0.50 | mg/kg | 50.0        | 74.8                      | 57        | 75-125      |     |           | M2              |
| Molybdenum  | 45.1   | 2.0             | 0.20 | mg/kg | 50.0        | 0.293                     | 90        | 75-125      |     |           |                 |
| Nickel  | 67.2   | 2.0             | 0.20 | mg/kg | 50.0        | 20.8                      | 93        | 75-125      |     |           |                 |
| Selenium  | 43.1   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 86        | 75-125      |     |           |                 |
| Silver  | 25.2   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 101       | 75-125      |     |           |                 |
| Thallium  | 45.3   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 91        | 75-125      |     |           |                 |
| Vanadium  | 92.0   | 1.0             | 0.30 | mg/kg | 50.0        | 45.1                      | 94        | 75-125      |     |           |                 |
| Zinc  | 124    | 5.0             | 0.75 | mg/kg | 50.0        | 89.6                      | 70        | 75-125      |     |           | M2              |
| <b>Matrix Spike Dup Analyzed: 09/10/2009 (9I10074-MSD1)</b> |        |                 |      |       |             | <b>Source: ISI0454-01</b> |           |             |     |           |                 |
| Antimony  | 20.2   | 10              | 0.88 | mg/kg | 50.0        | ND                        | 40        | 75-125      | 7   | 20        | M2              |
| Arsenic   | 52.3   | 2.0             | 0.81 | mg/kg | 50.0        | 6.22                      | 92        | 75-125      | 2   | 20        |                 |
| Barium  | 179    | 1.0             | 0.80 | mg/kg | 50.0        | 127                       | 104       | 75-125      | 1   | 20        |                 |
| Beryllium   | 50.4   | 0.50            | 0.20 | mg/kg | 50.0        | 0.622                     | 100       | 75-125      | 0   | 20        |                 |
| Cadmium   | 46.7   | 0.50            | 0.20 | mg/kg | 50.0        | ND                        | 93        | 75-125      | 1   | 20        |                 |
| Chromium  | 74.8   | 1.0             | 0.30 | mg/kg | 50.0        | 26.3                      | 97        | 75-125      | 1   | 20        |                 |
| Cobalt  | 56.9   | 1.0             | 0.30 | mg/kg | 50.0        | 10.6                      | 93        | 75-125      | 1   | 20        |                 |
| Copper  | 85.9   | 2.0             | 0.38 | mg/kg | 50.0        | 38.1                      | 96        | 75-125      | 3   | 20        |                 |
| Lead  | 105    | 2.0             | 0.50 | mg/kg | 50.0        | 74.8                      | 61        | 75-125      | 2   | 20        | M2              |
| Molybdenum  | 45.0   | 2.0             | 0.20 | mg/kg | 50.0        | 0.293                     | 89        | 75-125      | 0   | 20        |                 |
| Nickel  | 68.8   | 2.0             | 0.20 | mg/kg | 50.0        | 20.8                      | 96        | 75-125      | 2   | 20        |                 |
| Selenium  | 42.9   | 2.0             | 1.0  | mg/kg | 50.0        | ND                        | 86        | 75-125      | 0   | 20        |                 |
| Silver  | 25.3   | 1.0             | 0.80 | mg/kg | 25.0        | ND                        | 101       | 75-125      | 1   | 20        |                 |
| Thallium  | 44.8   | 10              | 0.80 | mg/kg | 50.0        | ND                        | 90        | 75-125      | 1   | 20        |                 |
| Vanadium  | 95.0   | 1.0             | 0.30 | mg/kg | 50.0        | 45.1                      | 100       | 75-125      | 3   | 20        |                 |
| Zinc  | 123    | 5.0             | 0.75 | mg/kg | 50.0        | 89.6                      | 67        | 75-125      | 1   | 20        | M2              |

TestAmerica Irvine

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 Attention: Tom Venable

Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
 Received: 09/04/09

## METHOD BLANK/QC DATA

### STLC METALS

| Analyte   | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9I22075 Extracted: 09/22/09</b>                   |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 09/22/2009 (9I22075-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | ND     | 0.10            | 0.080 | mg/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 09/22/2009 (9I22075-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Lead  | 19.0   | 0.10            | 0.080 | mg/l  | 20.0        |                           | 95   | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 09/22/2009 (9I22075-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISI1636-01</b> |      |             |     |           |                 |
| Lead  | 21.4   | 0.10            | 0.080 | mg/l  | 20.0        | 1.13                      | 101  | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 09/22/2009 (9I22075-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISI1636-01</b> |      |             |     |           |                 |
| Lead  | 21.0   | 0.10            | 0.080 | mg/l  | 20.0        | 1.13                      | 99   | 75-125      | 2   | 20        |                 |

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Project ID: 2009 ISRA Waste Characterization - Outfall 009

Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## DATA QUALIFIERS AND DEFINITIONS

|            |  |
|------------|--|
| <b>C</b>   | Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.  |
| <b>I</b>   | Internal Standard recovery was outside of method limits. Matrix interference was confirmed.  |
| <b>J</b>   | 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. |
| <b>L</b>   | Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.  |
| <b>M1</b>  | The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).   |
| <b>M2</b>  | The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).   |
| <b>M7</b>  | The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).   |
| <b>R</b>   | The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.   |
| <b>R-3</b> | The RPD exceeded the acceptance limit due to sample matrix effects.  |
| <b>RL1</b> | Reporting limit raised due to sample matrix effects.   |
| <b>Z</b>   | Due to sample matrix effects, the surrogate recovery was below the acceptance limits.  |
| <b>Z2</b>  | Surrogate recovery was above the acceptance limits. Data not impacted.   |
| <b>ZX</b>  | Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.  |
| <b>ND</b>  | Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.  |
| <b>RPD</b> | Relative Percent Difference  |

## ADDITIONAL COMMENTS

### For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

### For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

### For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

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

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

TestAmerica Irvine

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Report Number: ISI0508

Sampled: 09/03/09  
Received: 09/04/09

## Certification Summary

### TestAmerica Irvine

| Method        | Matrix | Nelac | California |
|---------------|--------|-------|------------|
| 6010B-STLC    | Soil   | X     | X          |
| EPA 6010B     | Soil   | X     | X          |
| EPA 8015 Mod. | Soil   | X     | X          |
| EPA 8015B     | Soil   | X     | X          |
| EPA 8082      | Soil   | X     | X          |
| EPA 8260B     | Soil   | X     | X          |
| EPA 8270C     | Soil   | X     | X          |
| STLC-Met      | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Analysis Performed: Mercury-7470/7471

Samples: ISI0508-01, ISI0508-02, ISI0508-03, ISI0508-04, ISI0508-05, ISI0508-06, ISI0508-07, ISI0508-08

### TestAmerica Irvine

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

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# Chain of Custody Record

**TestAmerica**  
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

|   |  |   |  |   |  |   |  |  |  |  |  |
|---|--|---|--|---|--|---|--|--|--|--|--|
| Client Contact<br>The Boeing Company SSFL<br>5800 Woolsey Canyon Road<br>Canoga Park, CA 91304<br>Phone<br>FAX        |  | Project Manager: Tom Venable<br>Tel/Fax: 818-466-8779 / 818-466-4873<br>Analysis Turnaround Time<br>Calendar (C) or Work Days (W) <u>W</u><br>TAT if different from Below<br><input checked="" type="checkbox"/> 2 weeks<br><input checked="" type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | Site Contact: Shelby Valenzuela<br>Lab Contact: Joe Doak<br>Date: <u>9/3/09</u><br>Carrier:<br>COC No. <u>1</u> of <u>1</u> COCs<br>Job No. <u>1971614/1026782</u><br>SDG No. |  |   |  |  |  |  |  |
| Project Name: ISRA - W Waste Characterization<br>Site: Happy Valley OF009, <u>Orange</u><br>P.O.# 7KSSISRA            |  | Site Contact: Shelby Valenzuela<br>Lab Contact: Joe Doak<br>Date: <u>9/3/09</u><br>Carrier:<br>COC No. <u>1</u> of <u>1</u> COCs<br>Job No. <u>1971614/1026782</u><br>SDG No.   |  | Date: <u>9/3/09</u><br>Carrier:<br>COC No. <u>1</u> of <u>1</u> COCs<br>Job No. <u>1971614/1026782</u><br>SDG No.   |  |   |  |  |  |  |  |
| Sample Identification   |  | Sample Date   |  | Sample Time   |  | Sample Type   |  | Matrix   |  | # of Cont.   |  |
| 15WC01045001  |  | 9-3-09  |  | 11:30   |  | SLURRY  |  | SOIL   |  | 1  |  |
| 15WC01055001  |  |   |  | 11:51   |  |   |  |  |  | 1  |  |
| 15WC01065001  |  |   |  | 12:04   |  |   |  |  |  | 1  |  |
| 15WC01075001  |  |   |  | 12:16   |  |   |  |  |  | 1  |  |
| 15WC01085001  |  |   |  | 13:04   |  |   |  |  |  | 1  |  |
| 15WC01095001  |  |   |  | 13:21   |  |   |  |  |  | 1  |  |
| 15WC01105001  |  |   |  | 13:34   |  |   |  |  |  | 1  |  |
| 15WC01115001  |  |   |  | 13:45   |  |   |  |  |  | 1  |  |
| CAR   |  |   |  |   |  |   |  |  |  |  |  |
| Preservation Used: 1=Ice; 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other   |  | Possible Hazard Identification<br><input checked="" type="checkbox"/> Non-Hazard<br><input type="checkbox"/> Flammable<br><input type="checkbox"/> Skin Irritant  |  | Patent # <input type="checkbox"/> Unknown   |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client<br><input checked="" type="checkbox"/> Disposal By Lab |  | Archive For <u>6</u> Months  |  | Date/Time: <u>9/4/09 12:40</u>                                       |  |
| Special Instructions/QC Requirements & Comments: Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds |  | Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds  |  | Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds  |  | Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds  |  | Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds |  | Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds |  |
| Relinquished by: <u>Allyson M. Roberts</u>  |  | Company: <u>MWH</u>   |  | Date/Time: <u>9/4/09 12:40</u>  |  | Received by: <u>Shelby Valenzuela</u>   |  | Company: <u>TAI</u>  |  | Date/Time: <u>9/4/09 12:40</u>                                       |  |
| Relinquished by: <u>Allyson M. Roberts</u>  |  | Company: <u>TAI</u>   |  | Date/Time: <u>9/4/09 15:35</u>  |  | Received by: <u>Shelby Valenzuela</u>   |  | Company: <u>TAI</u>  |  | Date/Time: <u>9/4/09 15:35</u>                                       |  |
| Relinquished by: <u>Allyson M. Roberts</u>  |  | Company: <u>TAI</u>   |  | Date/Time: <u>9/4/09 15:35</u>  |  | Received by: <u>Shelby Valenzuela</u>   |  | Company: <u>TAI</u>  |  | Date/Time: <u>9/4/09 15:35</u>                                       |  |

du 9/4/09  
12:40

3.4°C

**Chain of Custody Record**

2520508

**Irvine**  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

**Client Contact**  
The Boeing Company SSFL  
5800 Woodsey Canyon Road  
Canoga Park, CA 91304  
Phone  
FAX  
Project Name: ISRA - HV Waste Characterization  
Site: Happy Valley OF09 Drainage  
PO # 7KSSISRA

**Project Manager:** Tom Venable  
Tel/Fax: 818-466-8779 / 818-466-4873  
Analysis Turnaround Time  
Calendar (C) or Work Days (W) W  
TAT if different from Below  
 2 weeks  
 1 week  
 2 days  
 1 day

**Site Contact:** Shelby Valenzuela  
Lab Contact: Joe Doak

**TestAmerica Laboratories, Inc.**  
COC No: 1 of 1 COCs  
Job No: 1771614/1006782  
SDG No.

Sample Specific Notes:

| Sample Identification | Sample Date | Sample Time | Sample Type | Matrix | # of Cont. | Retention | Sample Specific Notes |
|-----------------------|-------------|-------------|-------------|--------|------------|-----------|-----------------------|
| ISNC01045001          | 9-3-09      | 11:36       | SLEEVE      | SOIL   | 1          | X         |                       |
| ISNC01055001          |             | 11:51       |             |        | 1          | X         |                       |
| ISNC01065001          |             | 12:04       |             |        | 1          | X         |                       |
| ISNC01075001          |             | 12:16       |             |        | 1          | X         |                       |
| ISNC01085001          |             | 13:04       |             |        | 1          | X         |                       |
| ISNC01095001          |             | 13:21       |             |        | 1          | X         |                       |
| ISNC01105001          |             | 13:34       |             |        | 1          | X         |                       |
| ISNC01115001          |             | 13:45       |             |        | 1          | X         |                       |

Retention:  CAM 17 Metals

Special Instructions/QC Requirements & Comments: Run STL (WET) / TCLP if TTLC results ≥ 10x STL / 20x TCLP thresholds

Preservation Used: 1= Ice; 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification:  
 Non-Hazard  
 Flammable  
 Skin Irritant  
 Poison B  
 Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  
 Disposal By Lab  
 Archive For: 6 Months

Relinquished by: Allyson M. P. [Signature] Date/Time: 9/4/09 12:40  
 Relinquished by: [Signature] Date/Time: 9/4/09 15:35  
 Relinquished by: [Signature] Date/Time: 9/4/09 15:35

Received by: [Signature] Date/Time: 9/4/09 12:40  
 Received by: [Signature] Date/Time: 9/4/09 15:35  
 Received by: [Signature] Date/Time: 9/4/09 15:35

Company: TAI  
 Company: TAI  
 Company: TAI

DU 9/4/09  
1772

002 34°C

**Doak, Joseph**

---

**From:** Sarah Von Raesfeld [Sarah.E.VonRaesfeld@us.mwhglobal.com]  
**Sent:** Tuesday, September 08, 2009 10:17 AM  
**To:** Doak, Joseph  
**Subject:** RE: Additional analyses

Thank you!

---

**From:** Doak, Joseph [mailto:Joseph.Doak@testamericainc.com]  
**Sent:** Tuesday, September 08, 2009 10:16 AM  
**To:** Sarah Von Raesfeld  
**Subject:** RE: Additional analyses

I will get this added. If they Let me know there is not enough sample, I will let you know.

Thank you,  
Joe

---

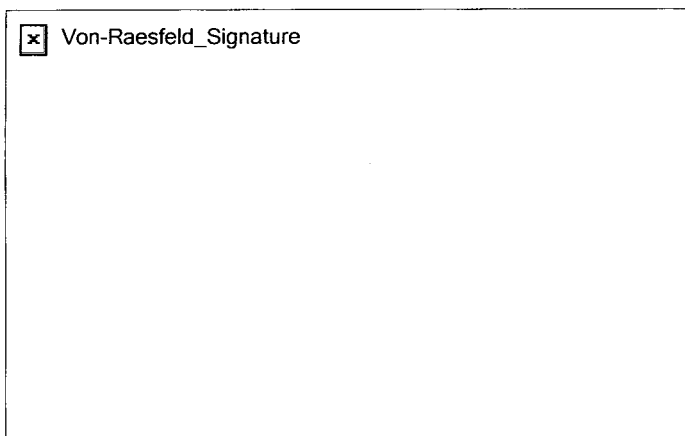
**From:** Sarah Von Raesfeld [mailto:Sarah.E.VonRaesfeld@us.mwhglobal.com]  
**Sent:** Tuesday, September 08, 2009 10:11 AM  
**To:** Doak, Joseph  
**Subject:** Additional analyses

Hi Joe,

We would like to add VOCs, SVOCs, PCBs, and TPH to the samples collected on Thursday, ISWC0104-0111. We would like these run on a 5 day TAT. I think we may have only submitted one sleeve, so please let me know if there won't be enough volume.

These analyses can be logged into a different work order if that is easier for you.

Thanks,  
Sarah



CONFIDENTIALITY NOTICE: This e-mail communication, including any attachments, may contain

9/18/2009



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

MWH – Pasadena/Boeing

Lot D9I090190

Project ISI0508

Joseph Doak  
17461 Derian Avenue  
Suite 100  
Irvine, CA 92614

TestAmerica Laboratories, Inc.



DiLea Griego  
Project Manager

September 16, 2009

# Table of Contents

## *Standard Deliverables*

### Report Contents

### Total Number of Pages

#### ***Standard Deliverables***

*(The Report Cover page is considered an integral part of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*



- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **QC Results**
- **Sample Receiving Checklist**
- **Chain of Custody**

## Case Narrative

Enclosed is the report for eight samples received at the TestAmerica Laboratory in Denver on September 9, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

## Quality Control Summary for Lot D9I090190

### Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 3.7°C.

### Total Metals- Method 7471A

Matrix spike samples in batch 9253300 were performed on sample ISI0508-01. The MS exhibited spike compound recoveries outside the QC control limits. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other anomalies were observed.

# EXECUTIVE SUMMARY - Detection Highlights

D9I090190

| <u>PARAMETER</u>              | <u>RESULT</u> | <u>REPORTING<br/>LIMIT</u> | <u>UNITS</u> | <u>ANALYTICAL<br/>METHOD</u> |
|-------------------------------|---------------|----------------------------|--------------|------------------------------|
| ISI0508-01 09/03/09 11:36 001 |               |                            |              |                              |
| Mercury                       | 0.015 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-02 09/03/09 11:51 002 |               |                            |              |                              |
| Mercury                       | 0.012 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-03 09/03/09 12:04 003 |               |                            |              |                              |
| Mercury                       | 0.0067 J      | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-04 09/03/09 12:16 004 |               |                            |              |                              |
| Mercury                       | 0.013 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-05 09/03/09 13:04 005 |               |                            |              |                              |
| Mercury                       | 0.020 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-06 09/03/09 13:21 006 |               |                            |              |                              |
| Mercury                       | 0.034         | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-07 09/03/09 13:34 007 |               |                            |              |                              |
| Mercury                       | 0.028 J       | 0.033                      | mg/kg        | SW846 7471A                  |
| ISI0508-08 09/03/09 13:45 008 |               |                            |              |                              |
| Mercury                       | 0.015 J       | 0.033                      | mg/kg        | SW846 7471A                  |

# METHODS SUMMARY

D9I090190

| <u>PARAMETER</u>                           | <u>ANALYTICAL<br/>METHOD</u> | <u>PREPARATION<br/>METHOD</u> |
|--|------------------------------|-------------------------------|
| Mercury in Solid Waste (Manual Cold-Vapor) | SW846 7471A                  | SW846 7471A                   |

## References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# METHOD / ANALYST SUMMARY

D9I090190

| <u>ANALYTICAL<br/>METHOD</u> | <u>ANALYST</u>       | <u>ANALYST<br/>ID</u> |
|------------------------------|----------------------|-----------------------|
| SW846 7471A                  | Christopher Grisdale | 9582                  |

**References:**

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

# SAMPLE SUMMARY

D9I090190

| <u>WO #</u> | <u>SAMPLE#</u> | <u>CLIENT SAMPLE ID</u> | <u>SAMPLED DATE</u> | <u>SAMP TIME</u> |
|-------------|----------------|-------------------------|---------------------|------------------|
| LKHJ4       | 001            | ISI0508-01              | 09/03/09            | 11:36            |
| LKHJ7       | 002            | ISI0508-02              | 09/03/09            | 11:51            |
| LKHJ8       | 003            | ISI0508-03              | 09/03/09            | 12:04            |
| LKHQK       | 004            | ISI0508-04              | 09/03/09            | 12:16            |
| LKHQM       | 005            | ISI0508-05              | 09/03/09            | 13:04            |
| LKHQP       | 006            | ISI0508-06              | 09/03/09            | 13:21            |
| LKHQQ       | 007            | ISI0508-07              | 09/03/09            | 13:34            |
| LKHQT       | 008            | ISI0508-08              | 09/03/09            | 13:45            |

## NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ISI0508-01

TOTAL Metals

Lot-Sample #...: D9I090190-001

Matrix.....: SOLID

Date Sampled...: 09/03/09 11:36 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.015 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHJ41AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 17:45 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.



TestAmerica Irvine

Client Sample ID: ISI0508-02

TOTAL Metals

Lot-Sample #...: D9I090190-002

Matrix.....: SOLID

Date Sampled...: 09/03/09 11:51 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.012 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHJ71AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:01 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISI0508-03

TOTAL Metals

Lot-Sample #...: D9I090190-003

Matrix.....: SOLID

Date Sampled...: 09/03/09 12:04 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.0067 J      | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHJ81AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:03 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISI0508-04

TOTAL Metals

Lot-Sample #...: D9I090190-004

Matrix.....: SOLID

Date Sampled...: 09/03/09 12:16 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.013 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHQK1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:05 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISI0508-05

TOTAL Metals

Lot-Sample #...: D9I090190-005

Matrix.....: SOLID

Date Sampled...: 09/03/09 13:04 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.020 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHQM1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:08 | MDL.....: 0.0055     |                |

**NOTE(S):**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISI0508-06

TOTAL Metals

Lot-Sample #...: D9I090190-006

Matrix.....: SOLID

Date Sampled...: 09/03/09 13:21 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.034         | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHQP1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:10 | MDL.....: 0.0055     |                |

TestAmerica Irvine

Client Sample ID: ISI0508-07

TOTAL Metals

Lot-Sample #...: D9I090190-007

Matrix.....: SOLID

Date Sampled...: 09/03/09 13:34 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.028 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHQQ1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:12 | MDL.....: 0.0055     |                |

NOTE(S) :

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

TestAmerica Irvine

Client Sample ID: ISI0508-08

TOTAL Metals

Lot-Sample #...: D9I090190-008

Matrix.....: SOLID

Date Sampled...: 09/03/09 13:45 Date Received...: 09/09/09

| <u>PARAMETER</u>         | <u>RESULT</u> | <u>REPORTING</u>   |              | <u>METHOD</u>           | <u>PREPARATION-</u>  | <u>WORK</u>    |
|--------------------------|---------------|--------------------|--------------|-------------------------|----------------------|----------------|
|                          |               | <u>LIMIT</u>       | <u>UNITS</u> |                         | <u>ANALYSIS DATE</u> | <u>ORDER #</u> |
| Prep Batch #...: 9253300 |               |                    |              |                         |                      |                |
| Mercury                  | 0.015 J       | 0.033              | mg/kg        | SW846 7471A             | 09/10/09             | LKHQT1AA       |
|                          |               | Dilution Factor: 1 |              | Analysis Time...: 18:15 | MDL.....: 0.0055     |                |

**NOTE(S) :**

J Estimated Result: Result is less than RL and greater than or equal to the MDL.

# QC DATA ASSOCIATION SUMMARY

D9I090190

Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL<br/>METHOD</u> | <u>LEACH<br/>BATCH #</u> | <u>PREP<br/>BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 002            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 003            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 004            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 005            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 006            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 007            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |
| 008            | SOLID         | SW846 7471A                  |                          | 9253300                 | 9253187        |



METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D9I090190

Matrix.....: SOLID

| <u>PARAMETER</u>               | <u>RESULT</u> | <u>REPORTING</u><br><u>LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|--------------------------------|---------------|----------------------------------|--------------|---------------|---|-------------------------------|
| MB Lot-Sample #: D9I100000-300 |               | Prep Batch #...: 9253300         |              |               |   |                               |
| Mercury                        | ND            | 0.033                            | mg/kg        | SW846 7471A   | 09/10/09                                    | LKKDL1AA                      |
|                                |               | Dilution Factor: 1               |              |               |   |                               |
|                                |               | Analysis Time...: 17:40          |              |               |   |                               |

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9I090190

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>PERCENT<br/>RECOVERY</u> | <u>RECOVERY<br/>LIMITS</u> | <u>METHOD</u> | <u>PREPARATION-<br/>ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|
|------------------|-----------------------------|----------------------------|---------------|---------------------------------------|---------------------|

LCS Lot-Sample#: D9I100000-300 Prep Batch #...: 9253300

|         |     |            |             |          |          |
|---------|-----|------------|-------------|----------|----------|
| Mercury | 104 | (87 - 111) | SW846 7471A | 09/10/09 | LKKDL1AC |
|---------|-----|------------|-------------|----------|----------|

Dilution Factor: 1 Analysis Time..: 17:42

**NOTE(S) :**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9I090190

Matrix.....: SOLID

| <u>PARAMETER</u> | <u>SPIKE</u><br><u>AMOUNT</u> | <u>MEASURED</u><br><u>AMOUNT</u> | <u>UNITS</u> | <u>PERCNT</u><br><u>RECVRY</u> | <u>METHOD</u> | <u>PREPARATION-</u><br><u>ANALYSIS DATE</u> | <u>WORK</u><br><u>ORDER #</u> |
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|
|------------------|-------------------------------|----------------------------------|--------------|--------------------------------|---------------|---|-------------------------------|

LCS Lot-Sample#: D9I100000-300 Prep Batch #...: 9253300

|         |       |       |       |     |             |          |          |
|---------|-------|-------|-------|-----|-------------|----------|----------|
| Mercury | 0.417 | 0.432 | mg/kg | 104 | SW846 7471A | 09/10/09 | LKKDL1AC |
|---------|-------|-------|-------|-----|-------------|----------|----------|

Dilution Factor: 1

Analysis Time...: 17:42

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D9I090190

Matrix.....: SOLID

Date Sampled...: 09/03/09 11:36 Date Received...: 09/09/09

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>RPD</u> | <u>RPD LIMITS</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|-------------------------|------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|
|------------------|-------------------------|------------------------|------------|-------------------|---------------|-----------------------------------|---------------------|

MS Lot-Sample #: D9I090190-001 Prep Batch #...: 9253300

|         |      |            |     |        |             |          |          |
|---------|------|------------|-----|--------|-------------|----------|----------|
| Mercury | 85 N | (87 - 111) |     |        | SW846 7471A | 09/10/09 | LKHJ41AC |
|         | 89   | (87 - 111) | 6.2 | (0-20) | SW846 7471A | 09/10/09 | LKHJ41AD |

Dilution Factor: 1

Analysis Time...: 17:47

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D9I090190

Matrix.....: SOLID

Date Sampled...: 09/03/09 11:36 Date Received...: 09/09/09

| <u>PARAMETER</u> | <u>AMOUNT</u> | <u>SAMPLE SPIKE AMT</u> | <u>MEASRD AMOUNT</u> | <u>UNITS</u> | <u>PERCNT RECVRY</u> | <u>RPD</u> | <u>METHOD</u> | <u>PREPARATION- ANALYSIS DATE</u> | <u>WORK ORDER #</u> |
|------------------|---------------|-------------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|
|------------------|---------------|-------------------------|----------------------|--------------|----------------------|------------|---------------|-----------------------------------|---------------------|

MS Lot-Sample #: D9I090190-001 Prep Batch #...: 9253300

Mercury

|       |       |       |         |    |     |  |             |          |          |
|-------|-------|-------|---------|----|-----|--|-------------|----------|----------|
| 0.015 | 0.410 | 0.363 | N mg/kg | 85 |     |  | SW846 7471A | 09/10/09 | LKHJ41AC |
| 0.015 | 0.417 | 0.386 | mg/kg   | 89 | 6.2 |  | SW846 7471A | 09/10/09 | LKHJ41AD |

Dilution Factor: 1

Analysis Time...: 17:47

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

TestAmerica Denver  
Sample Receiving Checklist

Lot #: D91090190 Date/Time Received: 9/9/09 0830  
Company Name & Sampling Site: TA IRVINE - BOEING

PM to Complete This Section: Yes No  
Residual chlorine check required:   Quarantined:

Quote #: 72743

Special Instructions:

Time Zone:  
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): \_\_\_\_\_  
Temperatures (°C): 3.7 \_\_\_\_\_

- | N/A                                 | Yes                                 | No                       |   | Initials   |
|-------------------------------------|-------------------------------------|--------------------------|---|------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.   | <u>CAK</u> |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes: _____ No: _____   |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Chain of custody present? If no, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Bottles broken and/or are leaking? If yes, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Multiphasic samples obvious? If yes, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 7. pH of all samples checked and meet requirements? If no, document on CUR.   |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.                                |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 10. Were VOA samples without headspace? If no, document on CUR.   |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 11. Were VOA vials preserved? Preservative <input type="checkbox"/> HCl <input type="checkbox"/> 4±2°C <input type="checkbox"/> Sodium Thiosulfate <input type="checkbox"/> Ascorbic Acid |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Did samples require preservation with sodium thiosulfate?   |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.   |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 17. Are analyses with short holding times requested?  |            |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 18. Was a quick Turn Around (TAT) requested?  |            |

TestAmerica Denver  
Sample Receiving Checklist

Lot # D9I090190

Login Checks:

Initials

N/A Yes No

AS

19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) document on CUR, and contact PM before proceeding. If no,
20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.
21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?
22. Were special log in instructions read and followed?
23. Were AFCEE metals logged for refrigerated storage?
24. Were tests logged checked against the COC? Which samples were confirmed? 1
25. Was a Rush form completed for quick TAT?
26. Was a Short Hold form completed for any short holds?
27. Were special archiving instructions indicated in the General Comments? If so, what were they?

Labeling and Storage Checks:

Initials

AS

28. Was the subcontract COC signed and sent with samples to bottle prep?
29. Were sample labels double-checked by a second person?
30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?
31. Did the sample ID, Date, and Time from label match what was logged?
32. Were stickers for special archiving instructions affixed to each box? See #27
33. Were AFCEE metals stored refrigerated?

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

3.700  
4  
9.9.09  
10

**SUBCONTRACT ORDER**

**TestAmerica Irvine**

**ISI0508**

**SENDING LABORATORY:**

TestAmerica Irvine  
17461 Derian Avenue, Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: The Boeing Company-SSFL

**RECEIVING LABORATORY:**

TestAmerica Denver  
4955 Yarrow Street  
Arvada, CO 80002  
Phone : (303) 736-0100  
Fax: (303) 431-7171  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

| Analysis  | Units | Due      | Expires        | Interlab Price | Surch | Comments                                   |
|---|-------|----------|----------------|----------------|-------|--|
| <b>Sample ID: ISI0508-01</b> <b>Soil</b> <b>Sampled: 09/03/09 11:36</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 11:36 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |
| <b>Sample ID: ISI0508-02</b> <b>Soil</b> <b>Sampled: 09/03/09 11:51</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 11:51 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |
| <b>Sample ID: ISI0508-03</b> <b>Soil</b> <b>Sampled: 09/03/09 12:04</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 12:04 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |
| <b>Sample ID: ISI0508-04</b> <b>Soil</b> <b>Sampled: 09/03/09 12:16</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 12:16 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |
| <b>Sample ID: ISI0508-05</b> <b>Soil</b> <b>Sampled: 09/03/09 13:04</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 13:04 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |
| <b>Sample ID: ISI0508-06</b> <b>Soil</b> <b>Sampled: 09/03/09 13:21</b> |       |          |                |                |       |  |
| Mercury-7470/7471-OUT   | mg/kg | 09/16/09 | 10/01/09 13:21 | \$35.00        | 0%    | J Flags/Boeing/sub to denver. NO WS NEEDED |
| <i>Containers Supplied:</i><br>2 oz Jar (C)                             |       |          |                |                |       |  |

|                        |                         |                      |                        |                         |                      |
|------------------------|-------------------------|----------------------|------------------------|-------------------------|----------------------|
| <del>Released By</del> | <del>9/8/09 17:00</del> | <del>Date/Time</del> | <del>Received By</del> | <del>9/8/09 17:00</del> | <del>Date/Time</del> |
| Released By            | 9/8/09 17:00            | Date/Time            | Received By            | 9/9/09 0830             | Date/Time            |



**SUBCONTRACT ORDER**

**TestAmerica Irvine**

**ISI0508**

---

| <b>Analysis</b> | <b>Units</b> | <b>Due</b> | <b>Expires</b> | <b>Interlab</b> | <b>Price Surch</b> | <b>Comments</b> |
|-----------------|--------------|------------|----------------|-----------------|--------------------|-----------------|
|-----------------|--------------|------------|----------------|-----------------|--------------------|-----------------|

---

**Sample ID: ISI0508-07**      **Soil**      **Sampled: 09/03/09 13:34**

|                       |       |          |                |         |    |   |
|-----------------------|-------|----------|----------------|---------|----|---|
| Mercury-7470/7471-OUT | mg/kg | 09/16/09 | 10/01/09 13:34 | \$35.00 | 0% | J Flags/Boeing/sub to denver. NO WS<br>NEEDED |
|-----------------------|-------|----------|----------------|---------|----|---|

*Containers Supplied:*  
2 oz Jar (C)

---

**Sample ID: ISI0508-08**      **Soil**      **Sampled: 09/03/09 13:45**

|                       |       |          |                |         |    |   |
|-----------------------|-------|----------|----------------|---------|----|---|
| Mercury-7470/7471-OUT | mg/kg | 09/16/09 | 10/01/09 13:45 | \$35.00 | 0% | J Flags/Boeing/sub to denver. NO WS<br>NEEDED |
|-----------------------|-------|----------|----------------|---------|----|---|

*Containers Supplied:*  
2 oz Jar (C)

---

## LABORATORY REPORT

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

Project: ISRA HV Waste Characterization  
7KSSISRA

Sampled: 09/21/09  
Received: 09/21/09  
Issued: 09/28/09 16:39

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain of Custody, 1 page, is included and is an integral part of this report.*

*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.

**LABORATORY ID**

IS11757-01

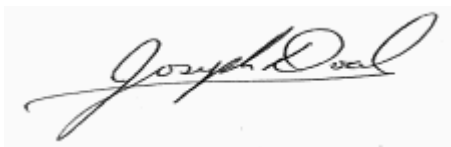
**CLIENT ID**

HZCW0001AS001

**MATRIX**

Water

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

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

Project ID: ISRA HV Waste Characterization  
7KSSISRA  
Report Number: ISI1757

Sampled: 09/21/09  
Received: 09/21/09

## DATA QUALIFIERS AND DEFINITIONS

**ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.  
**RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced,  
except in full, without written permission from TestAmerica.*

**ISI1757 <Page 2 of 2>**

**Chain of Custody Record**

Irvine  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

7527752

TestAmerica Laboratories, Inc.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| Project Manager: Tom Venable<br>Tel/Fax: 818-466-8779 / 818-466-4873   |  | Site Contact: Shelby Valenzuela<br>Lab Contact: Joe Doak  |  | COC No: _____<br>Date: 9-21-09  |  |
| Client Contact<br>The Boeing Company SSFL<br>5800 Woolsey Canyon Road<br>Canoga Park, CA 91304   |  | Carrier: Lab pick-up  |  | Job No. 1891614   |  |
| Analysis Turnaround Time<br>Calendar (C) or Work Days (W) <u>W</u><br>TAT if different from Below <u>5 DAYS</u>  |  | Sample Date   |  | Sample Specific Notes:  |  |
| <input checked="" type="checkbox"/> 2-weeks-5 DAY<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day  |  | Sample Type   |  | SDG No.   |  |
| Sample Time  |  | Matrix  |  | Sample Specific Notes:  |  |
| Sample Date  |  | # of Cont.  |  |   |  |
| 9-21-09 14:45  |  | BOTTLE H2O 1  |  |   |  |
| Sample Identification  |  | Filtered Sample   |  |   |  |
| HECW001A5001   |  | <input checked="" type="checkbox"/>   |  |   |  |
| <del>           9-21-09<br/>           CR         </del>   |  |   |  |   |  |
|  |  |   |  |   |  |
|  |  |   |  |   |  |
|  |  |   |  |   |  |
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|  |  |   |  |   |  |
|  |  |   |  |   |  |
|  |  |   |  |   |  |
|  |  |   |  |   |  |
|  |  |   |  |   |  |
| Preservation Used: <input checked="" type="checkbox"/> 1= Ice; 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____<br>Possible Hazard Identification<br><input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown |  | <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 10 Months |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  |
| Special Instructions/QC Requirements & Comments: Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds  |  | FISH BIOASSAY → ACUTE AQUATIC LC50  |  |   |  |
| Relinquished by: <i>Allen M. P...</i>  |  | Date/Time: 18:02 9-21-09  |  | Company: Test America   |  |
| Relinquished by: <i>Allen M. P...</i>  |  | Date/Time: 9-21-09 18:25  |  | Date/Time: 9-21-09 16:00  |  |
| Relinquished by: <i>Allen M. P...</i>  |  | Date/Time:  |  | Date/Time: 9-21-09 18:25  |  |

#10055  
2-70

# LABORATORY REPORT



**Date:** September 28, 2009

**Client:** TestAmerica, Irvine  
17461 Derian Ave., Suite 100  
Irvine, CA 92614  
Attn: Joseph Doak

*"dedicated to providing quality aquatic toxicity testing"*

4350 Transport Street, Unit 107  
Ventura, CA 93003  
(805) 650-0546 FAX (805) 650-0756  
CA DOHS ELAP Cert. No.: 1775

**Laboratory No.:** A-09092302-001  
**Sample ID.:** ISI1757-01

**Sample Control:** The samples were received by ATL in a chilled state, with the chain of custody record attached.

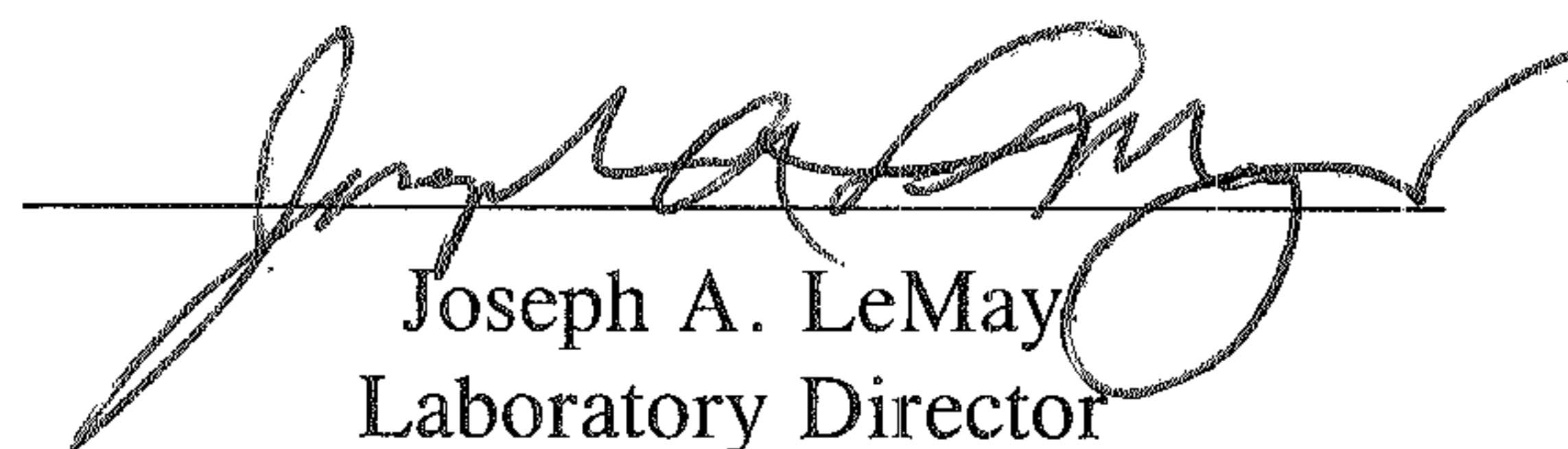
Date Sampled: 09/21/09  
Date Received: 09/23/09  
Date Tested: 09/23/09 to 09/27/09

**Sample Analysis:** The following analyses were performed on your sample:  
CCR Title 22 Fathead Minnow Hazardous Waste Screen Bioassay (Polisini & Miller 1988).  
Attached are the test data generated from the analysis of your sample.

## Result Summary:

| <u>Sample ID.</u> | <u>Results</u>           |
|-------------------|--------------------------|
| ISI1757-01        | PASSED (LC50 > 750 mg/l) |

**Quality Control:** Reviewed and approved by:

  
Joseph A. LeMay  
Laboratory Director

**FATHEAD MINNOW HAZARDOUS WASTE  
SCREEN BIOASSAY**



Lab No.: A09092302-001

Client/ID: JST 1757-01A

**TEST SUMMARY**

Species: *Pimephales promelas*.  
 Fish length (mm): av: 25; min: 24; max: 26.  
 Fish weight (gm): av: 0.28; min: 0.25; max: 0.32.  
 Test chamber volume: 10 liters.  
 Temperature: 20 +/- 2°C.  
 Aeration: Single bubble through 30 bore tube.  
 Number of replicates: 2.  
 Dilution water: Soft reconstituted water (40 - 48 mg/l CaCO<sub>3</sub>).  
 QA/QC Batch No.: RT-090902.

Source: In-Lab Culture.  
 Regulations: CCR Title 22.  
 Test Protocol: California F&G/DHS 1988.  
 Endpoints: Survival at 96 hrs.  
 Test type: Static.  
 Feeding: None.  
 Number of fish per chamber: 10.  
 Photoperiod: 16/8 hrs light/dark.

**TEST DATA**

|            | INITIAL      |     |     | 24 Hr        |     |     |     | 48 Hr        |     |     |     | 72 Hr        |     |     |     | 96 Hr        |     |     |     |
|------------|--------------|-----|-----|--------------|-----|-----|-----|--------------|-----|-----|-----|--------------|-----|-----|-----|--------------|-----|-----|-----|
|            | °C           | DO  | pH  | °C           | DO  | pH  | # D | °C           | DO  | pH  | # D | °C           | DO  | pH  | # D | °C           | DO  | pH  | # D |
| Date/Time: | 9-23-09 1200 |     |     | 9-24-09 1100 |     |     |     | 9-25-09 1100 |     |     |     | 9-26-09 1100 |     |     |     | 9-27-09 1030 |     |     |     |
| Analyst:   | R            |     |     | R            |     |     |     | R            |     |     |     | R            |     |     |     | R            |     |     |     |
| Control A  | 19.3         | 8.6 | 7.2 | 20.0         | 8.2 | 7.2 | 0   | 19.9         | 8.2 | 7.2 | 0   | 19.9         | 7.9 | 7.3 | 0   | 20.0         | 8.3 | 7.2 | 0   |
| Control B  | 19.2         | 8.6 | 7.2 | 20.0         | 8.5 | 7.1 | 0   | 20.0         | 8.5 | 7.1 | 0   | 19.9         | 7.6 | 7.1 | 0   | 20.0         | 8.2 | 7.2 | 0   |
| 400 mg/l A | 21.3         | 8.5 | 7.3 | 20.1         | 8.3 | 7.0 | 0   | 20.0         | 8.3 | 7.2 | 0   | 19.9         | 8.1 | 7.1 | 0   | 20.1         | 8.4 | 7.0 | 0   |
| 400 mg/l B | 21.3         | 8.4 | 7.3 | 20.1         | 8.4 | 7.1 | 0   | 19.9         | 8.4 | 7.1 | 0   | 19.9         | 8.3 | 7.0 | 0   | 20.0         | 8.6 | 7.0 | 0   |
| 750 mg/l A | 21.4         | 8.4 | 7.4 | 20.0         | 8.4 | 7.1 | 0   | 20.0         | 8.1 | 7.2 | 0   | 19.9         | 8.0 | 7.1 | 0   | 20.0         | 8.3 | 7.0 | 0   |
| 750 mg/l B | 21.4         | 8.5 | 7.4 | 20.0         | 8.3 | 7.2 | 0   | 20.0         | 8.2 | 7.2 | 0   | 19.8         | 8.3 | 7.0 | 0   | 20.0         | 8.5 | 7.0 | 0   |

Comments: Extraction method: Mechanical shaking .  
 None (aqueous solution) .

Dissolved Oxygen (DO) readings in mg/l O<sub>2</sub>.

|         | CONTROL                   |                           | HIGH CONCENTRATION        |                           | Total Number Dead |       |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|-------|
|         | Alkalinity                | Hardness                  | Alkalinity                | Hardness                  |                   |       |
| Initial | 32 mg/l CaCO <sub>3</sub> | 43 mg/l CaCO <sub>3</sub> | 32 mg/l CaCO <sub>3</sub> | 44 mg/l CaCO <sub>3</sub> | Control           | 0 /20 |
| Final   | 33 mg/l CaCO <sub>3</sub> | 44 mg/l CaCO <sub>3</sub> | 33 mg/l CaCO <sub>3</sub> | 45 mg/l CaCO <sub>3</sub> | 400 mg/l          | 0 /20 |
|         |                           |                           |                           |                           | 750 mg/l          | 0 /20 |

**RESULTS**

(the checked result applies based on fish survival rates)

|    |               |  |
|----|---------------|--|
| ✓  | <b>PASSED</b> | LC50 > 750 mg/l (<40% dead in 750 mg/l conc.)                          |
| NA | <b>FAILED</b> | ≥40% dead in 750 mg/l (close to passing - definitive test recommended) |
| NA | <b>FAILED</b> | LC50 < 400 mg/l (>60% dead in 400 mg/l conc.)                          |

SUBCONTRACT ORDER

TestAmerica Irvine

ISI1757

SENDING LABORATORY:

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

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB  
4350 Transport Street, Unit 107  
Ventura, CA 93003  
Phone : (805) 650-0546  
Fax: (805) 650-0756  
Project Location: CA - CALIFORNIA  
Receipt Temperature: 0-10 °C      Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: \_\_\_\_\_ Initials: \_\_\_\_\_

| Analysis | Units | Expires | Comments |
|----------|-------|---------|----------|
|----------|-------|---------|----------|

|                       |       |                         |                                       |
|-----------------------|-------|-------------------------|---------------------------------------|
| Sample ID: ISI1757-01 | Water | Sampled: 09/21/09 14:45 |                                       |
| Bioassay-Haz. Waste   | N/A   | 09/28/09 14:45          | J Flags/Boeing/Sub to Aquatic Testing |

Containers Supplied:  
1 L Amber (A)

*Olga Ornelas*      9/23/09 7:15  
Released By      Date/Time

*[Signature]*      9/23/09  
Released By      Date/Time

*[Signature]*      9/23/09 7:15  
Received By      Date/Time

*[Signature]*      9-23-09 (12)  
Received By      Date/Time

## LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project: Outfall 008/OF008 ISRA SWPPP  
Sampling

Sampled: 10/14/09  
Received: 10/14/09  
Issued: 10/23/09 14:50

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain of Custody, 1 page, is included and is an integral part of this report.*

*This entire report was reviewed and approved for release.*

## SAMPLE CROSS REFERENCE

### LABORATORY ID

ISJ1482-01  
ISJ1482-02

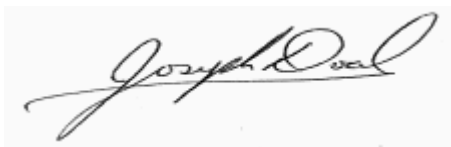
### CLIENT ID

HZSW0001S001  
HZSW0002S001

### MATRIX

Water  
Water

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager



MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: Outfall 008/OF008 ISRA SWPPP Sampling

Report Number: ISJ1482

Sampled: 10/14/09

Received: 10/14/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISJ1482-01 (HZSW0001S001 - Water)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/l                               |           |         |           |                 |               |                 |                |               |                 |
| Lead  | EPA 200.8 | 9J16097 | 1.0       | 5.0             | 14            | 5               | 10/16/09       | 10/17/09      |                 |
| <b>Sample ID: ISJ1482-02 (HZSW0002S001 - Water)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/l                               |           |         |           |                 |               |                 |                |               |                 |
| Copper  | EPA 200.8 | 9J16097 | 5.0       | 20              | 330           | 10              | 10/16/09       | 10/17/09      |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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ISJ1482 <Page 2 of 5>

MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Alex Fischl

Project ID: Outfall 008/OF008 ISRA SWPPP Sampling

Report Number: ISJ1482

Sampled: 10/14/09  
 Received: 10/14/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9J16097 Extracted: 10/16/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Blank Analyzed: 10/16/2009 (9J16097-BLK1)</b>            |        |                 |      |       |             |                           |           |             |     |           |                 |
| Copper  | ND     | 2.0             | 0.50 | ug/l  |             |                           |           |             |     |           |                 |
| Lead  | ND     | 1.0             | 0.20 | ug/l  |             |                           |           |             |     |           |                 |
| <b>LCS Analyzed: 10/16/2009 (9J16097-BS1)</b>               |        |                 |      |       |             |                           |           |             |     |           |                 |
| Copper  | 79.0   | 2.0             | 0.50 | ug/l  | 80.0        |                           | 99        | 85-115      |     |           |                 |
| Lead  | 79.2   | 1.0             | 0.20 | ug/l  | 80.0        |                           | 99        | 85-115      |     |           |                 |
| <b>Matrix Spike Analyzed: 10/17/2009 (9J16097-MS1)</b>      |        |                 |      |       |             |                           |           |             |     |           |                 |
|   |        |                 |      |       |             | <b>Source: ISJ1191-01</b> |           |             |     |           |                 |
| Copper  | 94.5   | 2.0             | 0.50 | ug/l  | 80.0        | 19.7                      | 93        | 70-130      |     |           |                 |
| Lead  | 77.5   | 1.0             | 0.20 | ug/l  | 80.0        | 2.22                      | 94        | 70-130      |     |           |                 |
| <b>Matrix Spike Analyzed: 10/17/2009 (9J16097-MS2)</b>      |        |                 |      |       |             |                           |           |             |     |           |                 |
|   |        |                 |      |       |             | <b>Source: ISJ1400-03</b> |           |             |     |           |                 |
| Copper  | 73.1   | 2.0             | 0.50 | ug/l  | 80.0        | 0.808                     | 90        | 70-130      |     |           |                 |
| Lead  | 75.4   | 1.0             | 0.20 | ug/l  | 80.0        | ND                        | 94        | 70-130      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 10/17/2009 (9J16097-MSD1)</b> |        |                 |      |       |             |                           |           |             |     |           |                 |
|   |        |                 |      |       |             | <b>Source: ISJ1191-01</b> |           |             |     |           |                 |
| Copper  | 93.5   | 2.0             | 0.50 | ug/l  | 80.0        | 19.7                      | 92        | 70-130      | 1   | 20        |                 |
| Lead  | 77.3   | 1.0             | 0.20 | ug/l  | 80.0        | 2.22                      | 94        | 70-130      | 0   | 20        |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: Outfall 008/OF008 ISRA SWPPP Sampling

Report Number: ISJ1482

Sampled: 10/14/09

Received: 10/14/09

## DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

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**ISJ1482 <Page 4 of 5>**

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: Outfall 008/OF008 ISRA SWPPP Sampling  
Report Number: ISJ1482

Sampled: 10/14/09  
Received: 10/14/09

## Certification Summary

### TestAmerica Irvine

| Method    | Matrix | Nelac | California |
|-----------|--------|-------|------------|
| EPA 200.8 | 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](http://www.testamericainc.com)*

### TestAmerica Irvine

Joseph Doak  
Project Manager

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**Chain of Custody Record**

**Irvine**  
17461 Derian Ave  
Suite 100  
Irvine, CA 92614  
phone 949.261.1022 fax 949.260.3299

2551482

TestAmerica Laboratories, Inc.

|   |  |   |  |                                  |  |                                |  |
|---|--|---|--|----------------------------------|--|--------------------------------|--|
| <b>Client Contact</b>   |  | <b>Project Manager: Alex Fischl</b>         |  | <b>Site Contact: Ben Stewart</b> |  | <b>Date: 10/14/09</b>          |  |
| MWH   |  | Tel: 925-627-4627                           |  | Lab Contact: Joe Doak            |  | COC No: 1 of 1 COCs            |  |
| 2121 N. California Blvd. Suite 600                                    |  | Analysis Turnaround Time                    |  | Carrier: LAB COURIER             |  | Job No.                        |  |
| Walnut Creek, CA 94596  |  | Calendar (C) or Work Days (W) <u>W</u>      |  | Total Lead by 200.8              |  | SDG No.                        |  |
| Phone: 925-627-4500   |  | TAT if different from Below                 |  | Total Copper by 200.8            |  | Sample Specific Notes:         |  |
| FAX: 925-627-4501   |  | <input checked="" type="checkbox"/> 2 weeks |  | Filtered Sample                  |  | HVS-2C, TEMP=17.7°C, PH=7.65   |  |
| Project Name: OF008 ISRA SWPPP Sampling                               |  | <input type="checkbox"/> 1 week             |  | Sample Date                      |  | HVS-2B-2, TEMP=17.7°C, PH=7.80 |  |
| Site: Outfall 008   |  | <input type="checkbox"/> 2 days             |  | Sample Time                      |  |                                |  |
| P O #   |  | <input type="checkbox"/> 1 day              |  | Sample Date                      |  |                                |  |
| Sample Identification   |  | Sample Type                                 |  | Matrix                           |  |                                |  |
| HZSW0001S001  |  | poly  |  | Water                            |  |                                |  |
| HZSW0002S001  |  | poly  |  | Water                            |  |                                |  |
| Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other |  | Sample # of Cont.                           |  |                                  |  |                                |  |
| Possible Hazard Identification  |  | Sample Time                                 |  |                                  |  |                                |  |
| <input checked="" type="checkbox"/> Non-Hazard                        |  | 10:50                                       |  |                                  |  |                                |  |
| <input type="checkbox"/> Flammable                                    |  | 12:48                                       |  |                                  |  |                                |  |
| <input type="checkbox"/> Skin Irritant                                |  |   |  |                                  |  |                                |  |
| <input type="checkbox"/> Poison B                                     |  |   |  |                                  |  |                                |  |
| <input type="checkbox"/> Unknown                                      |  |   |  |                                  |  |                                |  |
| Special Instructions/QC Requirements & Comments:                      |  |   |  |                                  |  |                                |  |
| Bill MWH-Arcadia  |  |   |  |                                  |  |                                |  |
| Report Level II Data Package and provide EDD                          |  |   |  |                                  |  |                                |  |
| Relinquished by: <i>Allen J. Rad</i>                                  |  | Date/Time: 10/14/09 14:45                   |  | Received by: <i>John Chung</i>   |  | Date/Time: 10-14-09 14:45      |  |
| Relinquished by: <i>John Chung</i>                                    |  | Date/Time: 1905                             |  | Received by: <i>John Chung</i>   |  | Date/Time: 10/14/09 1905       |  |
| Relinquished by: <i>John Chung</i>                                    |  | Date/Time: 1905                             |  | Received by: <i>John Chung</i>   |  | Date/Time: 10/14/09 1905       |  |

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Ship To Lab  Archive For \_\_\_\_\_ Months

Please email data to Sarah.VonRaesfeld@mwhglobal.com, Benjamin.Stewart@mwhglobal.com, and Alexander.Fischl@mwhglobal.com and post to TotalAccess

4C

#160 bridge

## LABORATORY REPORT

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

Project: 2009 ISRA HV Waste  
Characterization - Outfall 008

Sampled: 10/22/09  
Received: 10/22/09  
Revised: 11/16/09 12:42

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.  
This entire report was reviewed and approved for release.*

### CASE NARRATIVE

**SAMPLE RECEIPT:** Samples were received intact, at 4°C, on ice and with chain of custody documentation.

**HOLDING TIMES:** All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

**PRESERVATION:** Samples requiring preservation were verified prior to sample analysis.

**QA/QC CRITERIA:** All analyses met method criteria, except as noted in the report with data qualifiers.

**COMMENTS:** Results that fall between the MDL and RL are 'J' flagged.

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

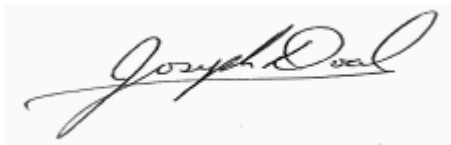
**ADDITIONAL INFORMATION:** This is a revised report. Thallium was originally reported incorrectly. Further investigation and reanalysis proved Thallium to be Non-Detect.

**LABORATORY ID**  
ISJ2591-01

**CLIENT ID**  
ISWC 0113 S001

**MATRIX**  
Soil

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09  
Received: 10/22/09

## POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Method   | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISJ2591-01RE1 (ISWC 0113 S001 - Soil)</b> |          |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/kg                                  |          |         |           |                 |               |                 |                |               |                 |
| Aroclor 1016  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1221  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1232  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1242  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1248  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1254  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Aroclor 1260  | EPA 8082 | 9K01042 | 6.7       | 50              | ND            | 1               | 11/01/09       | 11/04/09      |                 |
| Surrogate: Decachlorobiphenyl (45-120%)                 |          |         |           |                 | 67 %          |                 |                |               |                 |

|   |          |         |     |    |      |   |          |          |  |
|---|----------|---------|-----|----|------|---|----------|----------|--|
| <b>Sample ID: ISJ2591-01RE2 (ISWC 0113 S001 - Soil)</b> |          |         |     |    |      |   |          |          |  |
| Reporting Units: ug/kg                                  |          |         |     |    |      |   |          |          |  |
| Aroclor 1016  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1221  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1232  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1242  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1248  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1254  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Aroclor 1260  | EPA 8082 | 9K05096 | 6.7 | 50 | ND   | 1 | 11/01/09 | 11/04/09 |  |
| Surrogate: Decachlorobiphenyl (45-120%)                 |          |         |     |    | 76 % |   |          |          |  |

TestAmerica Irvine

Joseph Doak  
Project Manager

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

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09

Received: 10/22/09

## METALS

| Analyte   | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISJ2591-01 (ISWC 0113 S001 - Soil)</b>    |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                                  |           |         |           |                 |               |                 |                |               |                 |
| Mercury   | EPA 7471A | 9K05095 | 0.012     | 0.020           | ND            | 1               | 11/05/09       | 11/05/09      |                 |
| Antimony  | EPA 6010B | 9K04163 | 0.88      | 10              | ND            | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Arsenic</b>  | EPA 6010B | 9K04163 | 0.81      | 2.0             | <b>6.9</b>    | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Barium</b>   | EPA 6010B | 9K04163 | 0.80      | 1.0             | <b>57</b>     | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Beryllium</b>  | EPA 6010B | 9K04163 | 0.20      | 0.50            | <b>0.67</b>   | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Cadmium</b>  | EPA 6010B | 9K04163 | 0.20      | 0.50            | <b>0.42</b>   | 0.995           | 11/04/09       | 11/06/09      | J               |
| <b>Chromium</b>   | EPA 6010B | 9K04163 | 0.30      | 1.0             | <b>15</b>     | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Cobalt</b>   | EPA 6010B | 9K04163 | 0.30      | 1.0             | <b>6.0</b>    | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Copper</b>   | EPA 6010B | 9K04163 | 0.38      | 2.0             | <b>9.2</b>    | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Lead</b>   | EPA 6010B | 9K04163 | 0.50      | 2.0             | <b>11</b>     | 0.995           | 11/04/09       | 11/06/09      |                 |
| Molybdenum  | EPA 6010B | 9K04163 | 0.20      | 2.0             | ND            | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Nickel</b>   | EPA 6010B | 9K04163 | 0.20      | 2.0             | <b>9.4</b>    | 0.995           | 11/04/09       | 11/06/09      |                 |
| Selenium  | EPA 6010B | 9K04163 | 1.0       | 2.0             | ND            | 0.995           | 11/04/09       | 11/06/09      |                 |
| Silver  | EPA 6010B | 9K04163 | 0.80      | 1.0             | ND            | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Vanadium</b>   | EPA 6010B | 9K04163 | 0.30      | 1.0             | <b>26</b>     | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Zinc</b>   | EPA 6010B | 9K04163 | 0.75      | 5.0             | <b>40</b>     | 0.995           | 11/04/09       | 11/06/09      |                 |
| <b>Sample ID: ISJ2591-01RE1 (ISWC 0113 S001 - Soil)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: mg/kg                                  |           |         |           |                 |               |                 |                |               |                 |
| Thallium  | EPA 6010B | 9K12097 | 0.79      | 9.9             | ND            | 0.99            | 11/12/09       | 11/12/09      |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager



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

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09

Received: 10/22/09

## POTENTIAL STLC / TCLP / TTLC LIMITS EXCEEDANCE

| Analyte  | Units | Sample Result | STLC Max. Limit<br>mg/L (ppm) | TTLC Max. Limit<br>mg/Kg (ppm) | TCLP Max. Limit<br>mg/L (ppm) |
|--|-------|---------------|-------------------------------|--------------------------------|-------------------------------|
| <b>ISJ2591-01 (ISWC 0113 S001 - Soil) EPA 7471A</b>    |       |               |                               |                                |                               |
| Mercury  | mg/kg | ND            | 0.20                          | 20                             | 0.20                          |
| Antimony   | mg/kg | ND            | 15                            | 500                            |                               |
| Arsenic  | mg/kg | 6.9           | 5.0                           | 500                            | 5.0                           |
| Barium   | mg/kg | 57            | 100                           | 10000                          | 100                           |
| Beryllium  | mg/kg | 0.67          | 0.75                          | 75                             |                               |
| Cadmium  | mg/kg | 0.42          | 1.0                           | 100                            | 1.0                           |
| Chromium   | mg/kg | 15            | 5.0                           | 2500                           | 5.0                           |
| Cobalt   | mg/kg | 6.0           | 80                            | 8000                           |                               |
| Copper   | mg/kg | 9.2           | 25                            | 2500                           |                               |
| Lead   | mg/kg | 11            | 5.0                           | 1000                           | 5.0                           |
| Molybdenum   | mg/kg | ND            | 350                           | 3500                           |                               |
| Nickel   | mg/kg | 9.4           | 20                            | 2000                           |                               |
| Selenium   | mg/kg | ND            | 1.0                           | 100                            | 1.0                           |
| Silver   | mg/kg | ND            | 5.0                           | 500                            | 5.0                           |
| Vanadium   | mg/kg | 26            | 24                            | 2400                           |                               |
| Zinc   | mg/kg | 40            | 250                           | 5000                           |                               |
| <b>ISJ2591-01RE1 (ISWC 0113 S001 - Soil) EPA 6010B</b> |       |               |                               |                                |                               |
| Thallium   | mg/kg | ND            | 7.0                           | 700                            |                               |

**TestAmerica Irvine**

Joseph Doak  
Project Manager

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**ISJ2591 <Page 4 of 11>**

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

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09  
Received: 10/22/09

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|------------------------------|-----------|--------|-----|-----------|-----------------|
| <b>Batch: 9K01042 Extracted: 11/01/09</b>                   |        |                 |     |       |             |                              |           |        |     |           |                 |
| <b>Blank Analyzed: 11/03/2009 (9K01042-BLK1)</b>            |        |                 |     |       |             |                              |           |        |     |           |                 |
| Aroclor 1016  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1221  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1232  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1242  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1248  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1254  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1260  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 29.7   |                 |     | ug/kg | 33.3        |                              | 89        | 45-120 |     |           |                 |
| <b>LCS Analyzed: 11/03/2009 (9K01042-BS1)</b>               |        |                 |     |       |             |                              |           |        |     |           |                 |
| Aroclor 1016  | 218    | 50              | 6.7 | ug/kg | 267         |                              | 82        | 65-115 |     |           |                 |
| Aroclor 1260  | 220    | 50              | 6.7 | ug/kg | 267         |                              | 83        | 65-115 |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 27.4   |                 |     | ug/kg | 33.3        |                              | 82        | 45-120 |     |           |                 |
| <b>Matrix Spike Analyzed: 11/03/2009 (9K01042-MS1)</b>      |        |                 |     |       |             |                              |           |        |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISJ2591-01RE1</b> |           |        |     |           |                 |
| Aroclor 1016  | 224    | 50              | 6.7 | ug/kg | 267         | ND                           | 84        | 50-120 |     |           |                 |
| Aroclor 1260  | 225    | 50              | 6.7 | ug/kg | 267         | ND                           | 84        | 50-125 |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 27.4   |                 |     | ug/kg | 33.3        |                              | 82        | 45-120 |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 11/03/2009 (9K01042-MSD1)</b> |        |                 |     |       |             |                              |           |        |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISJ2591-01RE1</b> |           |        |     |           |                 |
| Aroclor 1016  | 210    | 50              | 6.7 | ug/kg | 267         | ND                           | 79        | 50-120 | 6   | 30        |                 |
| Aroclor 1260  | 210    | 50              | 6.7 | ug/kg | 267         | ND                           | 79        | 50-125 | 7   | 30        |                 |
| Surrogate: Decachlorobiphenyl                               | 25.8   |                 |     | ug/kg | 33.3        |                              | 77        | 45-120 |     |           |                 |
| <b>Batch: 9K05096 Extracted: 11/01/09</b>                   |        |                 |     |       |             |                              |           |        |     |           |                 |
| <b>Blank Analyzed: 11/04/2009 (9K05096-BLK1)</b>            |        |                 |     |       |             |                              |           |        |     |           |                 |
| Aroclor 1016  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1221  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1232  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1242  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1248  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1254  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Aroclor 1260  | ND     | 50              | 6.7 | ug/kg |             |                              |           |        |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 30.4   |                 |     | ug/kg | 33.3        |                              | 91        | 45-120 |     |           |                 |

#### TestAmerica Irvine

Joseph Doak  
Project Manager

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
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Attention: Tom Venable

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09

Received: 10/22/09

## METHOD BLANK/QC DATA

### POLYCHLORINATED BIPHENYLS (EPA 3545/8082)

| Analyte   | Result | Reporting Limit | MDL | Units | Spike Level | Source Result                | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|------------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9K05096 Extracted: 11/01/09</b>                   |        |                 |     |       |             |                              |           |             |     |           |                 |
| <b>LCS Analyzed: 11/04/2009 (9K05096-BS1)</b>               |        |                 |     |       |             |                              |           |             |     |           |                 |
| Aroclor 1016  | 228    | 50              | 6.7 | ug/kg | 267         |                              | 86        | 65-115      |     |           |                 |
| Aroclor 1260  | 231    | 50              | 6.7 | ug/kg | 267         |                              | 87        | 65-115      |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 28.4   |                 |     | ug/kg | 33.3        |                              | 85        | 45-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 11/04/2009 (9K05096-MS1)</b>      |        |                 |     |       |             |                              |           |             |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISJ2591-01RE2</b> |           |             |     |           |                 |
| Aroclor 1016  | 234    | 50              | 6.7 | ug/kg | 267         | ND                           | 88        | 50-120      |     |           |                 |
| Aroclor 1260  | 232    | 50              | 6.7 | ug/kg | 267         | ND                           | 87        | 50-125      |     |           |                 |
| Surrogate: Decachlorobiphenyl                               | 28.1   |                 |     | ug/kg | 33.3        |                              | 84        | 45-120      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 11/04/2009 (9K05096-MSD1)</b> |        |                 |     |       |             |                              |           |             |     |           |                 |
|   |        |                 |     |       |             | <b>Source: ISJ2591-01RE2</b> |           |             |     |           |                 |
| Aroclor 1016  | 223    | 50              | 6.7 | ug/kg | 267         | ND                           | 84        | 50-120      | 5   | 30        |                 |
| Aroclor 1260  | 218    | 50              | 6.7 | ug/kg | 267         | ND                           | 82        | 50-125      | 6   | 30        |                 |
| Surrogate: Decachlorobiphenyl                               | 26.5   |                 |     | ug/kg | 33.3        |                              | 79        | 45-120      |     |           |                 |

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Report Number: ISJ2591

Sampled: 10/22/09  
Received: 10/22/09

## METHOD BLANK/QC DATA

### METALS

| Analyte  | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD RPD | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|---------|---------|-----------------|
| <b>Batch: 9K04163 Extracted: 11/04/09</b>        |        |                 |      |       |             |               |           |         |         |                 |
| <b>Blank Analyzed: 11/06/2009 (9K04163-BLK1)</b> |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | ND     | 10              | 0.88 | mg/kg |             |               |           |         |         |                 |
| Arsenic  | ND     | 2.0             | 0.81 | mg/kg |             |               |           |         |         |                 |
| Barium   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Beryllium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Cadmium  | ND     | 0.50            | 0.20 | mg/kg |             |               |           |         |         |                 |
| Chromium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Cobalt   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Copper   | ND     | 2.0             | 0.38 | mg/kg |             |               |           |         |         |                 |
| Lead   | ND     | 2.0             | 0.50 | mg/kg |             |               |           |         |         |                 |
| Molybdenum                                       | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Nickel   | ND     | 2.0             | 0.20 | mg/kg |             |               |           |         |         |                 |
| Selenium   | ND     | 2.0             | 1.0  | mg/kg |             |               |           |         |         |                 |
| Silver   | ND     | 1.0             | 0.80 | mg/kg |             |               |           |         |         |                 |
| Vanadium   | ND     | 1.0             | 0.30 | mg/kg |             |               |           |         |         |                 |
| Zinc   | ND     | 5.0             | 0.75 | mg/kg |             |               |           |         |         |                 |
| <b>LCS Analyzed: 11/06/2009 (9K04163-BS1)</b>    |        |                 |      |       |             |               |           |         |         |                 |
| Antimony   | 45.9   | 10              | 0.88 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Arsenic  | 46.1   | 2.0             | 0.81 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Barium   | 46.5   | 1.0             | 0.80 | mg/kg | 50.0        |               | 93        | 80-120  |         |                 |
| Beryllium  | 46.2   | 0.50            | 0.20 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Cadmium  | 45.0   | 0.50            | 0.20 | mg/kg | 50.0        |               | 90        | 80-120  |         |                 |
| Chromium   | 44.7   | 1.0             | 0.30 | mg/kg | 50.0        |               | 89        | 80-120  |         |                 |
| Cobalt   | 44.1   | 1.0             | 0.30 | mg/kg | 50.0        |               | 88        | 80-120  |         |                 |
| Copper   | 45.7   | 2.0             | 0.38 | mg/kg | 50.0        |               | 91        | 80-120  |         |                 |
| Lead   | 45.8   | 2.0             | 0.50 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Molybdenum                                       | 45.2   | 2.0             | 0.20 | mg/kg | 50.0        |               | 90        | 80-120  |         |                 |
| Nickel   | 46.0   | 2.0             | 0.20 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Selenium   | 42.4   | 2.0             | 1.0  | mg/kg | 50.0        |               | 85        | 80-120  |         |                 |
| Silver   | 23.0   | 1.0             | 0.80 | mg/kg | 25.0        |               | 92        | 80-120  |         |                 |
| Vanadium   | 45.8   | 1.0             | 0.30 | mg/kg | 50.0        |               | 92        | 80-120  |         |                 |
| Zinc   | 43.8   | 5.0             | 0.75 | mg/kg | 50.0        |               | 88        | 80-120  |         |                 |

TestAmerica Irvine

Joseph Doak  
Project Manager

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Attention: Tom Venable

Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09

Received: 10/22/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9K04163 Extracted: 11/04/09</b>                   |        |                 |      |       |             |                           |           |             |     |           |                 |
| <b>Matrix Spike Analyzed: 11/06/2009 (9K04163-MS1)</b>      |        |                 |      |       |             | <b>Source: ISJ2591-01</b> |           |             |     |           |                 |
| Antimony  | 41.7   | 10              | 0.88 | mg/kg | 49.8        | ND                        | 84        | 75-125      |     |           |                 |
| Arsenic   | 52.2   | 2.0             | 0.81 | mg/kg | 49.8        | 6.91                      | 91        | 75-125      |     |           |                 |
| Barium  | 103    | 1.0             | 0.80 | mg/kg | 49.8        | 56.8                      | 93        | 75-125      |     |           |                 |
| Beryllium   | 46.2   | 0.50            | 0.20 | mg/kg | 49.8        | 0.672                     | 92        | 75-125      |     |           |                 |
| Cadmium   | 43.7   | 0.50            | 0.20 | mg/kg | 49.8        | 0.423                     | 87        | 75-125      |     |           |                 |
| Chromium  | 60.9   | 1.0             | 0.30 | mg/kg | 49.8        | 14.6                      | 93        | 75-125      |     |           |                 |
| Cobalt  | 49.1   | 1.0             | 0.30 | mg/kg | 49.8        | 5.99                      | 87        | 75-125      |     |           |                 |
| Copper  | 57.0   | 2.0             | 0.38 | mg/kg | 49.8        | 9.21                      | 96        | 75-125      |     |           |                 |
| Lead  | 56.9   | 2.0             | 0.50 | mg/kg | 49.8        | 10.9                      | 92        | 75-125      |     |           |                 |
| Molybdenum  | 43.5   | 2.0             | 0.20 | mg/kg | 49.8        | ND                        | 87        | 75-125      |     |           |                 |
| Nickel  | 54.1   | 2.0             | 0.20 | mg/kg | 49.8        | 9.44                      | 90        | 75-125      |     |           |                 |
| Selenium  | 39.2   | 2.0             | 1.0  | mg/kg | 49.8        | ND                        | 79        | 75-125      |     |           |                 |
| Silver  | 21.5   | 1.0             | 0.80 | mg/kg | 49.8        | ND                        | 87        | 75-125      |     |           |                 |
| Vanadium  | 73.5   | 1.0             | 0.30 | mg/kg | 49.8        | 25.8                      | 96        | 75-125      |     |           |                 |
| Zinc  | 83.6   | 5.0             | 0.75 | mg/kg | 49.8        | 39.7                      | 88        | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 11/06/2009 (9K04163-MSD1)</b> |        |                 |      |       |             | <b>Source: ISJ2591-01</b> |           |             |     |           |                 |
| Antimony  | 39.8   | 9.9             | 0.87 | mg/kg | 49.3        | ND                        | 81        | 75-125      | 4   | 20        |                 |
| Arsenic   | 50.3   | 2.0             | 0.80 | mg/kg | 49.3        | 6.91                      | 88        | 75-125      | 4   | 20        |                 |
| Barium  | 106    | 0.99            | 0.79 | mg/kg | 49.3        | 56.8                      | 99        | 75-125      | 2   | 20        |                 |
| Beryllium   | 44.4   | 0.49            | 0.20 | mg/kg | 49.3        | 0.672                     | 89        | 75-125      | 4   | 20        |                 |
| Cadmium   | 41.7   | 0.49            | 0.20 | mg/kg | 49.3        | 0.423                     | 84        | 75-125      | 5   | 20        |                 |
| Chromium  | 59.8   | 0.99            | 0.30 | mg/kg | 49.3        | 14.6                      | 92        | 75-125      | 2   | 20        |                 |
| Cobalt  | 47.6   | 0.99            | 0.30 | mg/kg | 49.3        | 5.99                      | 84        | 75-125      | 3   | 20        |                 |
| Copper  | 55.1   | 2.0             | 0.37 | mg/kg | 49.3        | 9.21                      | 93        | 75-125      | 3   | 20        |                 |
| Lead  | 55.0   | 2.0             | 0.49 | mg/kg | 49.3        | 10.9                      | 90        | 75-125      | 3   | 20        |                 |
| Molybdenum  | 41.9   | 2.0             | 0.20 | mg/kg | 49.3        | ND                        | 85        | 75-125      | 4   | 20        |                 |
| Nickel  | 52.8   | 2.0             | 0.20 | mg/kg | 49.3        | 9.44                      | 88        | 75-125      | 2   | 20        |                 |
| Selenium  | 38.8   | 2.0             | 0.99 | mg/kg | 49.3        | ND                        | 79        | 75-125      | 1   | 20        |                 |
| Silver  | 20.6   | 0.99            | 0.79 | mg/kg | 49.3        | ND                        | 84        | 75-125      | 4   | 20        |                 |
| Vanadium  | 72.5   | 0.99            | 0.30 | mg/kg | 49.3        | 25.8                      | 95        | 75-125      | 1   | 20        |                 |
| Zinc  | 83.5   | 4.9             | 0.74 | mg/kg | 49.3        | 39.7                      | 89        | 75-125      | 0   | 20        |                 |

TestAmerica Irvine

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Project ID: 2009 ISRA HV Waste Characterization - Outfall 008  
Report Number: ISJ2591

Sampled: 10/22/09  
Received: 10/22/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL   | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b><u>Batch: 9K05095 Extracted: 11/05/09</u></b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 11/05/2009 (9K05095-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Mercury   | ND     | 0.020           | 0.012 | mg/kg |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 11/05/2009 (9K05095-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Mercury   | 0.832  | 0.020           | 0.012 | mg/kg | 0.800       |                           | 104  | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 11/05/2009 (9K05095-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISK0428-01</b> |      |             |     |           |                 |
| Mercury   | 0.931  | 0.020           | 0.012 | mg/kg | 0.800       | 0.0839                    | 106  | 70-130      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 11/05/2009 (9K05095-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISK0428-01</b> |      |             |     |           |                 |
| Mercury   | 0.941  | 0.020           | 0.012 | mg/kg | 0.800       | 0.0839                    | 107  | 70-130      | 1   | 20        |                 |
| <b><u>Batch: 9K12097 Extracted: 11/12/09</u></b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 11/12/2009 (9K12097-BLK1)</b>            |        |                 |       |       |             |                           |      |             |     |           |                 |
| Thallium  | 0.911  | 10              | 0.80  | mg/kg |             |                           |      |             |     |           | J               |
| <b>LCS Analyzed: 11/12/2009 (9K12097-BS1)</b>               |        |                 |       |       |             |                           |      |             |     |           |                 |
| Thallium  | 43.3   | 10              | 0.80  | mg/kg | 50.0        |                           | 87   | 80-120      |     |           |                 |
| <b>Matrix Spike Analyzed: 11/12/2009 (9K12097-MS1)</b>      |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISK1298-01</b> |      |             |     |           |                 |
| Thallium  | 44.6   | 10              | 0.80  | mg/kg | 50.0        | ND                        | 89   | 75-125      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 11/12/2009 (9K12097-MSD1)</b> |        |                 |       |       |             |                           |      |             |     |           |                 |
|   |        |                 |       |       |             | <b>Source: ISK1298-01</b> |      |             |     |           |                 |
| Thallium  | 44.5   | 10              | 0.80  | mg/kg | 50.0        | ND                        | 89   | 75-125      | 0   | 20        |                 |

TestAmerica Irvine

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Report Number: ISJ2591

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Received: 10/22/09

## 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.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISJ2591 <Page 10 of 11>**

The Boeing Company-SSFL  
5800 Woolsey Canyon Road  
Canoga Park, CA 91304-1148  
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Project ID: 2009 ISRA HV Waste Characterization - Outfall 008

Report Number: ISJ2591

Sampled: 10/22/09

Received: 10/22/09

## Certification Summary

### TestAmerica Irvine

| Method    | Matrix | Nelac | California |
|-----------|--------|-------|------------|
| EPA 6010B | Soil   | X     | X          |
| EPA 7471A | Soil   | X     | X          |
| EPA 8082  | Soil   | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### EMS Laboratories *California Cert #1119*

117 W. Bellevue Drive - Pasadena, CA 91105

Analysis Performed: Asbestos-TEM (Soil)

Samples: ISJ2591-01

### TestAmerica Irvine

Joseph Doak  
Project Manager



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 Irvine, CA 92614  
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### Chain of Custody Record

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

IS J2591

TestAmerica Laboratories, Inc.

|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|--|--|---|--------------------|--------------------|--|---|----|-----------------------|--|-------------------|-------------------------|--|--|
| <b>Client Contact</b>  |  | <b>Project Manager: Tom Venable</b>   |                    |                    | <b>Site Contact: Shelby Valenzuela</b> |   |    | <b>Date: 10/22/09</b> |  |                   | <b>COC No:</b>          |  |  |
| The Boeing Company SSFL  |  | Tel/Fax: 818-466-8779 / 818-466-4873  |                    |                    | Lab Contact: Joe Doak                  |   |    | Carrier:              |  |                   | 1 of 1 COCs             |  |  |
| 5800 Woolsey Canyon Road   |  | <b>Analysis Turnaround Time</b>   |                    |                    | Filtered Sample<br>PCBs<br>Asbestos    |   |    |                       |  |                   | Job No.                 |  |  |
| Canoga Park, CA 91304  |  | Calendar (C) or Work Days (W) _____   |                    |                    |  |   |    |                       |  |                   | 1891614                 |  |  |
| Phone _____  |  | TAT if different from Below _____   |                    |                    |  |   |    |                       |  |                   | SDG No.                 |  |  |
| FAX _____  |  | <input checked="" type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| Project Name: 2009 ISRA Waste Characterization - Outfall 008   |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| Site: Happy Valley   |  |   |                    |                    |  |   |    |                       |  |                   | Sample Specific Notes:  |  |  |
| P O # 7KSSISRA   |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| <b>Sample Identification</b>   |  | <b>Sample Date</b>  | <b>Sample Time</b> | <b>Sample Type</b> | <b>Matrix</b>                          | <b># of Cont.</b>   |    |                       |  |                   |                         |  |  |
| / SWC 0113 S001  |  | 10-22-09  | 0923               | SS<br>sleeve       | soil                                   | 1   | XX |                       |  | Collected from SP |                         |  |  |
| <del>           or 10/22/09         </del>   |  |   |                    |                    |  |   |    |                       |  |                   | H9<br>10/22/09<br>04:05 |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
|  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| <b>Preservation Use:</b> 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH; 6= Other _____  |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| <b>Possible Hazard Identification</b><br><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> |  |   |                    |                    |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b><br><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>6</u> Months |    |                       |  |                   |                         |  |  |
| <b>Special Instructions/QC Requirements &amp; Comments:</b> Run STLC (WET) / TCLP if TTLC results ≥ 10x STLC / 20x TCLP thresholds   |  |   |                    |                    |  |   |    |                       |  |                   |                         |  |  |
| Relinquished by:   |  | Company:  |                    | Date/Time:         |  | Received by:  |    | Company:              |  | Date/Time:        |                         |  |  |
|  |  | MWH   |                    | 10/22/09 12:50     |  |   |    | MWH                   |  | 10/22/09 / 12:50  |                         |  |  |
| Relinquished by:   |  | Company:  |                    | Date/Time:         |  | Received by:  |    | Company:              |  | Date/Time:        |                         |  |  |
|  |  | MWH   |                    | 10/22/09 14:25     |  |   |    | 10-22-09 14:25        |  | Test America      |                         |  |  |
| Relinquished by:   |  | Company:  |                    | Date/Time:         |  | Received by:  |    | Company:              |  | Date/Time:        |                         |  |  |
|  |  | Test America  |                    | 10-22-09 2:10      |  |   |    | TAI                   |  | 10/22/09 2:10     |                         |  |  |

3.8°C

#199

## ADDITIONAL ANALYSIS REQUEST FORM

Date: 11-10-9 Project Manager: J Doak

Client: The Boeing Co-SSFL Contact: \_\_\_\_\_

Project: ISRA HV Waste

Date Sampled: 10-22-9 Date Received: 10-22-9

**Request Via:**

Telephone  COC Form  Fax  E-mail  Other

**Status:**

In Progress  Completed  Received Today  Received Yesterday  
 On Hold  Other

**Turn Around Time:**

Same Day  24HR  48HR  3Day  5Day  Standard  No Rush Charge

| Work Order Number | Sample Description   | Analysis Requested | Special Requirements |
|-------------------|----------------------|--------------------|----------------------|
| <u>ISJ2591-01</u> | <u>ISWC 01135001</u> | <u>STLC</u>        | <u>Thallium</u>      |

On Game W/O

SUBCONTRACT ORDER

TestAmerica Irvine  
ISJ2591

133274

SENDING LABORATORY:

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

RECEIVING LABORATORY:

EMS Laboratories  
117 W. Bellevue Drive  
Pasadena, CA 91105  
Phone : (626) 568-4065  
Fax: (626) 796-5282  
Project Location: CA - CALIFORNIA  
Receipt Temperature: \_\_\_\_\_ °C      Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: \_\_\_\_\_ Initials: \_\_\_\_\_

| Analysis                             | Units           | Expires                 | Comments                  |
|--------------------------------------|-----------------|-------------------------|---------------------------|
| Sample ID: ISJ2591-01                | Soil            | Sampled: 10/22/09 09:23 |                           |
| Asbestos-TEM (Soil)                  | Present/Not Prt | 10/24/09 09:23          | J Flags/Boeing/Sub to EMS |
| Containers Supplied:<br>2 oz Jar (B) |                 |                         |                           |

11-2-09

Full quant / Joseph.  
# 255 / sample.  
P.C.

Released By: Margaret Subo Date/Time: 10/27/09 0710
 Received By: BD Doak Date/Time: 10/27/09 0710  
 Released By: BD Doak Date/Time: 10/27/09 0952
 Received By: Joseph Doak Date/Time: 10/27/09 0955

DATE: November 4, 2009  
CUSTOMER: TestAmerica, Irvine  
17461 Derian Ave., Ste 100  
Irvine, CA 92614  
ATTENTION: Joseph Doak  
REFERENCE: ISJ2591  
REPORT NO: 133274  
DATE RECEIVED: 10/27/09 at 0955  
DATE ANALYZED: 11/03/09  
ACCREDITED: NVLAP Lab Code 101218-0  
SUBJECT: QUANTITATIVE ANALYSIS OF BULK SAMPLE BY TEM

The sample was identified as: ISJ2591-01

The sample was submitted for asbestos analysis and determination of dry and wet weight percent if asbestos was present.

Two jars were submitted and composited.

To determine the amount of asbestos present, the samples were analyzed by the method described in U.S. EPA 600/4-83-043 and EPA/600/R-93/116 ("Method for the Determination of Asbestos in Bulk Building Materials - Appendix D - Special Case Building Materials:").

The sample was dried at 485°C for 12 hours. The dried sample was suspended in asbestos-free water, filtered and analyzed according to the method.

The results are found on the following pages. Results are given for wet and dried weight.

Respectfully submitted,

EMS LABORATORIES, INC.



B. M. Kolk  
Laboratory Director

BMK/ah

NOTE: The results of the analysis are based upon the samples submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

This report, from a NIST laboratory through NVLAP, must not be used by the CUSTOMER to claim product endorsement by NVLAP or any agency of the U.S. Government.

This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter, the samples were received properly packaged, clearly identified and intact.

**TEM Method for Bulk Samples (Dry Weight)**

LAB NO: 133274  
 CLIENT: Test America

| Laboratory I.D. | Client I.D. | FILTER MEDIA DATA |             |                                | Weight gr. | Working Volume ml. | Volume liters |
|-----------------|-------------|-------------------|-------------|--------------------------------|------------|--------------------|---------------|
|                 |             | Type              | Diameter mm | Effective Area mm <sup>2</sup> |            |                    |               |
| 133274-1        | ISJ2591-01  | MCE               | 47          | 1017                           | 0.6541     | 0.05               | 0.1           |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
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|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |

**INDIVIDUAL ANALYTICAL RESULTS**

| Laboratory I.D. | Client I.D. | No. of Asbestos Str | Analytical Sensitivity, MFG | Mass; Gram of Asbestos/Gram of sample | Weight Percent of Asbestos |
|-----------------|-------------|---------------------|-----------------------------|---------------------------------------|----------------------------|
| 133274-1        | ISJ2591-01  | N.D.                | 17                          | < 0.000003                            | < 0.0003                   |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
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|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.

  
 \_\_\_\_\_  
 Authorized Signature

**TEM Method for Bulk Samples (Wet Weight)**

LAB NO: 133274  
 CLIENT: Test America

| Laboratory I.D. | Client I.D. | FILTER MEDIA DATA |             |                                | Weight gr. | Working Volume ml. | Volume liters |
|-----------------|-------------|-------------------|-------------|--------------------------------|------------|--------------------|---------------|
|                 |             | Type              | Diameter mm | Effective Area mm <sup>2</sup> |            |                    |               |
| 133274-1        | ISJ2591-01  | MCE               | 47          | 1017                           | 0.7011     | 0.05               | 0.1           |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
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|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |
|                 |             |                   |             |                                |            |                    |               |

**INDIVIDUAL ANALYTICAL RESULTS**

| Laboratory I.D. | Client I.D. | No. of Asbestos Str | Analytical Sensitivity, MFG | Mass; Gram of Asbestos/Gram of sample | Weight Percent of Asbestos |
|-----------------|-------------|---------------------|-----------------------------|---------------------------------------|----------------------------|
| 133274-1        | ISJ2591-01  | N.D.                | 15                          | < 0.000003                            | < 0.0003                   |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
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|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |
|                 |             |                     |                             |                                       |                            |

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.

  
 \_\_\_\_\_  
 Authorized Signature

TEM 8A (1994)

## SUMMARY OF TEM CHRYSOTILE STRUCTURE ANALYSIS (Dry Weight)

EMS No. 133274

Date 11/3/2009

Sample Description ISJ2591-01

Client Test America

|                                    |                |                                  |              |
|------------------------------------|----------------|----------------------------------|--------------|
| Volume of Sample (L)               | <u>0.1</u>     | Filter Area (mm <sup>2</sup> )   | <u>1017</u>  |
| Working Volume (ml)                | <u>0.05</u>    | Area Analyzed (mm <sup>2</sup> ) | <u>0.188</u> |
| Weight of Sample (g)               | <u>0.6541</u>  | No. of Structures                | <u>5</u>     |
| Weight of Chrysotile Analyzed (ug) | <u>1.7E-07</u> | Detection Limit (MFG)            | <u>17</u>    |

Mass = 0.000003 gram of Chrysotile/gram of Sample

Mass = 0.0003 % of Chrysotile

TEM 8B (1994)

MFG: Million Fibers per Gram of Sample



## SUMMARY OF TEM CHRYSOTILE STRUCTURE ANALYSIS (Wet Weight)

EMS No. 133274

Date 11/3/2009

Sample Description ISJ2591-01

Client Test America

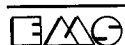
|                                    |                |                                  |              |
|------------------------------------|----------------|----------------------------------|--------------|
| Volume of Sample (L)               | <u>0.1</u>     | Filter Area (mm <sup>2</sup> )   | <u>1017</u>  |
| Working Volume (ml)                | <u>0.05</u>    | Area Analyzed (mm <sup>2</sup> ) | <u>0.188</u> |
| Weight of Sample (g)               | <u>0.7011</u>  | No. of Structures                | <u>5</u>     |
| Weight of Chrysotile Analyzed (ug) | <u>1.7E-07</u> | Detection Limit (MFG)            | <u>15</u>    |

Mass = 0.000003 gram of Chrysotile/gram of Sample

Mass = 0.0003 % of Chrysotile

TEM 8B (1994)

MFG: Million Fibers per Gram of Sample





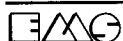
**Analysis of Water by Transmission Electron Microscopy  
(EPA-600/4-83-043)**

**EMS No.** 133274 **Date Analyzed** 11/3/2009  
**Client** Test America  
**Sample No.** EMS BLANK

|   |             |      |
|---|-------------|------|
| Fibers (chrysotile)                               | <u>ND</u>   | MFL  |
| > 5 Micron length (chrysotile)                    | <u>ND</u>   | MFL  |
| Mass (chrysotile)                                 | <u>0</u>    | ug/L |
| More/Less than 5 Fibers<br>in Sample (chrysotile) | <u>LESS</u> |      |
| Sensitivity Level                                 | <u>0.01</u> | MFL  |

**Particle Size Distribution ( Chrysotile )**

| <b>Particle Length - Microns</b> |             |             |             |             |          |
|----------------------------------|-------------|-------------|-------------|-------------|----------|
| O - 0.49                         | 0.50 - 0.99 | 1.00 - 1.49 | 1.50 - 1.99 | 2.00 - 2.49 | 2.5 & UP |
| <u>0</u>                         | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u> |
| <b>Particle Width - Microns</b>  |             |             |             |             |          |
| O - .04                          | .05 - .09   | .1 - .14    | .15 - .19   | .2 - .24    | .25 & UP |
| <u>0</u>                         | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u> |
| <b>Aspect Ratio L/W</b>          |             |             |             |             |          |
| 0 - 9.9                          | 10 - 19.9   | 20 - 29.9   | 30 - 39.9   | 40 - 49.9   | 50 & UP  |
| <u>0</u>                         | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u>    | <u>0</u> |



## LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project: ISRA SWPP Sample A2LF-3

Sampled: 12/11/09  
Received: 12/11/09  
Revised: 01/06/10 14:49

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

*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. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.  
This entire report was reviewed and approved for release.*

### CASE NARRATIVE

**SAMPLE RECEIPT:** Samples were received intact, at 2°C, on ice and with chain of custody documentation.

**HOLDING TIMES:** All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

**PRESERVATION:** Samples requiring preservation were verified prior to sample analysis.

**QA/QC CRITERIA:** All analyses met method criteria, except as noted in the report with data qualifiers.

**COMMENTS:** Results that fall between the MDL and RL are 'J' flagged.

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

**TestAmerica Irvine**

Joseph Doak  
Project Manager

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
Received: 12/11/09

**ADDITIONAL  
INFORMATION:**

WATER, 1613B, Dioxins/Furans with Totals

Sample: 1

Some analytes in this sample and the associated method blank (MB) have an ion abundance ratio that is outside of criteria. The analytes are considered as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio. Analytical results are reported with a "Q" flag.

The analytical result for 2,3,7,8-TCDF in this sample is reported from the confirmation data that was analyzed on December 31, 2009 and on December 29, 2009 for the MB. Analytical results are reported with a "CON" flag.

There are one or more analytes reported with a concentration less than the corresponding estimated detection limit (EDL). Even though the estimated concentration is less than the EDL it is reported as a positive detection because the peaks elute at the correct retention time for both characteristic ions and have a signal to noise ratio greater than the method required 2.5:1.

There are no other anomalies associated with this project.

This report is revised to include the Dioxin data.

**LABORATORY ID**

ISL1631-01

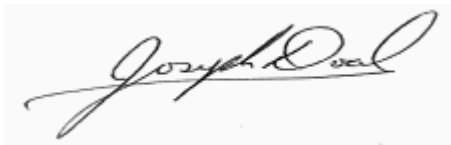
**CLIENT ID**

A2SW0005 S001

**MATRIX**

Water

Reviewed By:



**TestAmerica Irvine**

Joseph Doak  
Project Manager

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09

Received: 12/11/09

## METALS

| Analyte  | Method    | Batch   | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISL1631-01 (A2SW0005 S001 - Water)</b> |           |         |           |                 |               |                 |                |               |                 |
| Reporting Units: ug/l                                |           |         |           |                 |               |                 |                |               |                 |
| Lead   | EPA 200.8 | 9L16018 | 0.20      | 1.0             | 4.5           | 1               | 12/16/09       | 12/16/09      |                 |

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISL1631 <Page 3 of 12>**

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09

Received: 12/11/09

## INORGANICS

| Analyte  | Method   | Batch   | MDL<br>Limit | Reporting<br>Limit | Sample<br>Result | Dilution<br>Factor | Date<br>Extracted | Date<br>Analyzed | Data<br>Qualifiers |
|--|----------|---------|--------------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| <b>Sample ID: ISL1631-01 (A2SW0005 S001 - Water)</b> |          |         |              |                    |                  |                    |                   |                  |                    |
| Reporting Units: mg/l                                |          |         |              |                    |                  |                    |                   |                  |                    |
| Total Suspended Solids                               | SM 2540D | 9L17138 | 1.0          | 10                 | 11               | 1                  | 12/17/09          | 12/17/09         |                    |

**TestAmerica Irvine**

Joseph Doak  
Project Manager

*The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.*

**ISL1631 <Page 4 of 12>**

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
Received: 12/11/09

## EPA-5 1613B

| Analyte  | Method      | Batch   | MDL Limit | Reporting Limit | Sample Result   | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-------------|---------|-----------|-----------------|-----------------|-----------------|----------------|---------------|-----------------|
| <b>Sample ID: ISL1631-01 (A2SW0005 S001 - Water)</b> |             |         |           |                 |                 |                 |                |               |                 |
| Reporting Units: ug/L                                |             |         |           |                 |                 |                 |                |               |                 |
| 1,2,3,4,6,7,8-HpCDD                                  | EPA-5 1613B | 9358229 | 0.0000027 | 0.000053        | <b>0.0002</b>   | 1.05            | 12/24/09       | 12/30/09      | B               |
| 1,2,3,4,6,7,8-HpCDF                                  | EPA-5 1613B | 9358229 | 0.0000014 | 0.000053        | <b>0.00003</b>  | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,4,7,8,9-HpCDF                                  | EPA-5 1613B | 9358229 | 0.0000022 | 0.000053        | <b>0.000034</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,4,7,8-HxCDD                                    | EPA-5 1613B | 9358229 | 0.0000015 | 0.000053        | <b>0.000056</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,4,7,8-HxCDF                                    | EPA-5 1613B | 9358229 | 0.0000094 | 0.000053        | <b>0.000039</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,6,7,8-HxCDD                                    | EPA-5 1613B | 9358229 | 0.0000013 | 0.000053        | <b>0.000077</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,6,7,8-HxCDF                                    | EPA-5 1613B | 9358229 | 0.0000088 | 0.000053        | <b>0.000029</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,7,8,9-HxCDD                                    | EPA-5 1613B | 9358229 | 0.0000012 | 0.000053        | <b>0.000091</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 1,2,3,7,8,9-HxCDF                                    | EPA-5 1613B | 9358229 | 0.0000081 | 0.000053        | <b>0.000024</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| 1,2,3,7,8-PeCDD                                      | EPA-5 1613B | 9358229 | 0.0000017 | 0.000053        | <b>0.000027</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| 1,2,3,7,8-PeCDF                                      | EPA-5 1613B | 9358229 | 0.0000014 | 0.000053        | <b>0.000012</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| 2,3,4,6,7,8-HxCDF                                    | EPA-5 1613B | 9358229 | 0.0000081 | 0.000053        | <b>0.000023</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| 2,3,4,7,8-PeCDF                                      | EPA-5 1613B | 9358229 | 0.0000014 | 0.000053        | ND              | 1.05            | 12/24/09       | 12/30/09      |                 |
| 2,3,7,8-TCDD   | EPA-5 1613B | 9358229 | 0.0000092 | 0.000011        | ND              | 1.05            | 12/24/09       | 12/30/09      |                 |
| 2,3,7,8-TCDF   | EPA-5 1613B | 9358229 | 0.0000032 | 0.000011        | ND              | 1.05            | 12/24/09       | 12/30/09      | CON             |
| OCDD   | EPA-5 1613B | 9358229 | 0.0000046 | 0.00011         | <b>0.0032</b>   | 1.05            | 12/24/09       | 12/30/09      | B               |
| OCDF   | EPA-5 1613B | 9358229 | 0.0000013 | 0.00011         | <b>0.00014</b>  | 1.05            | 12/24/09       | 12/30/09      | B               |
| Total HpCDD  | EPA-5 1613B | 9358229 | 0.0000027 | 0.000053        | <b>0.00044</b>  | 1.05            | 12/24/09       | 12/30/09      | B               |
| Total HpCDF  | EPA-5 1613B | 9358229 | 0.0000014 | 0.000053        | <b>0.000084</b> | 1.05            | 12/24/09       | 12/30/09      | J, B            |
| Total HxCDD  | EPA-5 1613B | 9358229 | 0.0000012 | 0.000053        | <b>0.000054</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| Total HxCDF  | EPA-5 1613B | 9358229 | 0.0000081 | 0.000053        | <b>0.000032</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| Total PeCDD  | EPA-5 1613B | 9358229 | 0.0000017 | 0.000053        | <b>0.000041</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| Total PeCDF  | EPA-5 1613B | 9358229 | 0.0000014 | 0.000053        | <b>0.000005</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |
| Total TCDD   | EPA-5 1613B | 9358229 | 0.0000092 | 0.000011        | ND              | 1.05            | 12/24/09       | 12/30/09      |                 |
| Total TCDF   | EPA-5 1613B | 9358229 | 0.0000093 | 0.000011        | <b>0.000019</b> | 1.05            | 12/24/09       | 12/30/09      | J, Q, B         |

|  |      |
|--|------|
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDD (23-140%) | 65 % |
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDF (28-143%) | 69 % |
| Surrogate: 13C-1,2,3,4,7,8,9-HpCDF (26-138%) | 62 % |
| Surrogate: 13C-1,2,3,4,7,8-HxCDD (32-141%)   | 67 % |
| Surrogate: 13C-1,2,3,4,7,8-HxCDF (26-152%)   | 66 % |
| Surrogate: 13C-1,2,3,6,7,8-HxCDD (28-130%)   | 75 % |
| Surrogate: 13C-1,2,3,6,7,8-HxCDF (26-123%)   | 79 % |
| Surrogate: 13C-1,2,3,7,8,9-HxCDF (29-147%)   | 66 % |
| Surrogate: 13C-1,2,3,7,8-PeCDD (25-181%)     | 77 % |
| Surrogate: 13C-1,2,3,7,8-PeCDF (24-185%)     | 68 % |
| Surrogate: 13C-2,3,4,6,7,8-HxCDF (28-136%)   | 76 % |
| Surrogate: 13C-2,3,4,7,8-PeCDF (21-178%)     | 74 % |
| Surrogate: 13C-2,3,7,8-TCDD (25-164%)        | 62 % |
| Surrogate: 13C-2,3,7,8-TCDF (24-169%)        | 63 % |
| Surrogate: 13C-OCDD (17-157%)                | 63 % |
| Surrogate: 37Cl4-2,3,7,8-TCDD (35-197%)      | 78 % |

### TestAmerica Irvine

Joseph Doak  
Project Manager

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MWH-Pasadena/Boeing  
 618 Michillinda Avenue, Suite 200  
 Arcadia, CA 91007  
 Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
 Received: 12/11/09

## METHOD BLANK/QC DATA

### METALS

| Analyte   | Result | Reporting Limit | MDL  | Units | Spike Level | Source Result             | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9L16018 Extracted: 12/16/09</b>                   |        |                 |      |       |             |                           |      |             |     |           |                 |
| <b>Blank Analyzed: 12/16/2009 (9L16018-BLK1)</b>            |        |                 |      |       |             |                           |      |             |     |           |                 |
| Lead  | ND     | 1.0             | 0.20 | ug/l  |             |                           |      |             |     |           |                 |
| <b>LCS Analyzed: 12/16/2009 (9L16018-BS1)</b>               |        |                 |      |       |             |                           |      |             |     |           |                 |
| Lead  | 72.0   | 1.0             | 0.20 | ug/l  | 80.0        |                           | 90   | 85-115      |     |           |                 |
| <b>Matrix Spike Analyzed: 12/16/2009 (9L16018-MS1)</b>      |        |                 |      |       |             |                           |      |             |     |           |                 |
|   |        |                 |      |       |             | <b>Source: ISL1568-01</b> |      |             |     |           |                 |
| Lead  | 70.9   | 1.0             | 0.20 | ug/l  | 80.0        | ND                        | 89   | 70-130      |     |           |                 |
| <b>Matrix Spike Dup Analyzed: 12/16/2009 (9L16018-MSD1)</b> |        |                 |      |       |             |                           |      |             |     |           |                 |
|   |        |                 |      |       |             | <b>Source: ISL1568-01</b> |      |             |     |           |                 |
| Lead  | 70.9   | 1.0             | 0.20 | ug/l  | 80.0        | ND                        | 89   | 70-130      | 0   | 20        |                 |

TestAmerica Irvine

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 Project Manager

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Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
 Received: 12/11/09

## METHOD BLANK/QC DATA

### INORGANICS

| Analyte  | Result | Reporting Limit | MDL | Units | Spike Level | Source Result              | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|----------------------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9L17138 Extracted: 12/17/09</b>            |        |                 |     |       |             |                            |      |             |     |           |                 |
| <b>Blank Analyzed: 12/17/2009 (9L17138-BLK1)</b>     |        |                 |     |       |             |                            |      |             |     |           |                 |
| Total Suspended Solids                               | ND     | 10              | 1.0 | mg/l  |             |                            |      |             |     |           |                 |
| <b>LCS Analyzed: 12/17/2009 (9L17138-BS1)</b>        |        |                 |     |       |             |                            |      |             |     |           |                 |
| Total Suspended Solids                               | 984    | 10              | 1.0 | mg/l  | 1000        |                            | 98   | 85-115      |     |           |                 |
| <b>Duplicate Analyzed: 12/17/2009 (9L17138-DUP1)</b> |        |                 |     |       |             |                            |      |             |     |           |                 |
| Total Suspended Solids                               | 48.0   | 10              | 1.0 | mg/l  |             | Source: ISL1724-17<br>48.0 |      |             | 0   | 10        |                 |

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Report Number: ISL1631

Sampled: 12/11/09  
Received: 12/11/09

## METHOD BLANK/QC DATA

### EPA-5 1613B

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---------|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
|---------|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|

**Batch: 9358229 Extracted: 12/24/09**

**Blank Analyzed: 12/29/2009 (G9L240000229B)**

**Source:**

|                                    |           |         |            |      |      |  |    |        |  |  |      |
|------------------------------------|-----------|---------|------------|------|------|--|----|--------|--|--|------|
| 1,2,3,4,6,7,8-HpCDD                | 0.00004   | 0.00005 | 0.0000087  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,4,6,7,8-HpCDF                | 0.00004   | 0.00005 | 0.0000013  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,4,7,8,9-HpCDF                | 0.000038  | 0.00005 | 0.0000018  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,4,7,8-HxCDD                  | 0.000032  | 0.00005 | 0.0000011  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,4,7,8-HxCDF                  | 0.000033  | 0.00005 | 0.0000001  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,6,7,8-HxCDD                  | 0.000031  | 0.00005 | 0.0000001  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,6,7,8-HxCDF                  | 0.00003   | 0.00005 | 0.0000001  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,7,8,9-HxCDD                  | 0.000033  | 0.00005 | 0.00000095 | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,7,8,9-HxCDF                  | 0.000031  | 0.00005 | 0.0000011  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,7,8-PeCDD                    | 0.000024  | 0.00005 | 0.0000015  | ug/L |      |  |    | -      |  |  | J    |
| 1,2,3,7,8-PeCDF                    | 0.000021  | 0.00005 | 0.0000015  | ug/L |      |  |    | -      |  |  | J    |
| 2,3,4,6,7,8-HxCDF                  | 0.000029  | 0.00005 | 0.00000092 | ug/L |      |  |    | -      |  |  | J    |
| 2,3,4,7,8-PeCDF                    | 0.000025  | 0.00005 | 0.0000016  | ug/L |      |  |    | -      |  |  | J    |
| 2,3,7,8-TCDD                       | 0.0000027 | 0.00001 | 0.00000062 | ug/L |      |  |    | -      |  |  | J, Q |
| 2,3,7,8-TCDF                       | ND        | 0.00001 | 0.0000039  | ug/L |      |  |    | -      |  |  | CON  |
| OCDD                               | 0.000096  | 0.0001  | 0.00000097 | ug/L |      |  |    | -      |  |  | J    |
| OCDF                               | 0.000085  | 0.0001  | 0.00000083 | ug/L |      |  |    | -      |  |  | J    |
| Total HpCDD                        | 0.000043  | 0.00005 | 0.00000087 | ug/L |      |  |    | -      |  |  | J    |
| Total HpCDF                        | 0.000081  | 0.00005 | 0.0000013  | ug/L |      |  |    | -      |  |  | J    |
| Total HxCDD                        | 0.000096  | 0.00005 | 0.00000095 | ug/L |      |  |    | -      |  |  | J    |
| Total HxCDF                        | 0.00012   | 0.00005 | 0.00000092 | ug/L |      |  |    | -      |  |  | J, Q |
| Total PeCDD                        | 0.000025  | 0.00005 | 0.0000015  | ug/L |      |  |    | -      |  |  | J, Q |
| Total PeCDF                        | 0.000047  | 0.00005 | 0.0000015  | ug/L |      |  |    | -      |  |  | J, Q |
| Total TCDD                         | 0.0000055 | 0.00001 | 0.00000062 | ug/L |      |  |    | -      |  |  | J, Q |
| Total TCDF                         | 0.000012  | 0.00001 | 0.00000098 | ug/L |      |  |    | -      |  |  | J, Q |
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDD | 1400      |         |            | ug/L | 2000 |  | 72 | 23-140 |  |  |      |
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDF | 1400      |         |            | ug/L | 2000 |  | 71 | 28-143 |  |  |      |
| Surrogate: 13C-1,2,3,4,7,8,9-HpCDF | 1400      |         |            | ug/L | 2000 |  | 70 | 26-138 |  |  |      |
| Surrogate: 13C-1,2,3,4,7,8-HxCDD   | 1300      |         |            | ug/L | 2000 |  | 66 | 32-141 |  |  |      |
| Surrogate: 13C-1,2,3,4,7,8-HxCDF   | 1300      |         |            | ug/L | 2000 |  | 67 | 26-152 |  |  |      |
| Surrogate: 13C-1,2,3,6,7,8-HxCDD   | 1400      |         |            | ug/L | 2000 |  | 68 | 28-130 |  |  |      |
| Surrogate: 13C-1,2,3,6,7,8-HxCDF   | 1400      |         |            | ug/L | 2000 |  | 71 | 26-123 |  |  |      |
| Surrogate: 13C-1,2,3,7,8,9-HxCDF   | 1400      |         |            | ug/L | 2000 |  | 70 | 29-147 |  |  |      |
| Surrogate: 13C-1,2,3,7,8-PeCDD     | 1100      |         |            | ug/L | 2000 |  | 57 | 25-181 |  |  |      |
| Surrogate: 13C-1,2,3,7,8-PeCDF     | 1100      |         |            | ug/L | 2000 |  | 57 | 24-185 |  |  |      |

### TestAmerica Irvine

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 618 Michillinda Avenue, Suite 200  
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 Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
 Received: 12/11/09

## METHOD BLANK/QC DATA

### EPA-5 1613B

| Analyte   | Result   | Reporting Limit | MDL  | Units | Spike Level | Source Result  | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|----------|-----------------|------|-------|-------------|----------------|-----------|-------------|-----|-----------|-----------------|
| <b>Batch: 9358229 Extracted: 12/24/09</b>         |          |                 |      |       |             |                |           |             |     |           |                 |
| <b>Blank Analyzed: 12/29/2009 (G9L240000229B)</b> |          |                 |      |       |             | <b>Source:</b> |           |             |     |           |                 |
| Surrogate: 13C-2,3,4,6,7,8-HxCDF                  | 1500     |                 |      | ug/L  | 2000        |                | 73        | 28-136      |     |           |                 |
| Surrogate: 13C-2,3,4,7,8-PeCDF                    | 1200     |                 |      | ug/L  | 2000        |                | 59        | 21-178      |     |           |                 |
| Surrogate: 13C-2,3,7,8-TCDD                       | 1200     |                 |      | ug/L  | 2000        |                | 61        | 25-164      |     |           |                 |
| Surrogate: 13C-2,3,7,8-TCDF                       | 1200     |                 |      | ug/L  | 2000        |                | 62        | 24-169      |     |           |                 |
| Surrogate: 13C-OCDD                               | 2800     |                 |      | ug/L  | 4000        |                | 70        | 17-157      |     |           |                 |
| Surrogate: 37Cl4-2,3,7,8-TCDD                     | 0.00061  |                 |      | ug/L  | 0.0008      |                | 77        | 35-197      |     |           |                 |
| <b>LCS Analyzed: 12/29/2009 (G9L240000229C)</b>   |          |                 |      |       |             | <b>Source:</b> |           |             |     |           |                 |
| 1,2,3,4,6,7,8-HpCDD                               | 0.00093  | 0.00005         | 1.1  | ug/L  | 0.001       |                | 93        | 70-140      |     |           | B               |
| 1,2,3,4,6,7,8-HpCDF                               | 0.000924 | 0.00005         | 3.3  | ug/L  | 0.001       |                | 92        | 82-122      |     |           | B               |
| 1,2,3,4,7,8,9-HpCDF                               | 0.000939 | 0.00005         | 4.9  | ug/L  | 0.001       |                | 94        | 78-138      |     |           | B               |
| 1,2,3,4,7,8-HxCDD                                 | 0.000967 | 0.00005         | 0.57 | ug/L  | 0.001       |                | 97        | 70-164      |     |           | B               |
| 1,2,3,4,7,8-HxCDF                                 | 0.000987 | 0.00005         | 0.7  | ug/L  | 0.001       |                | 99        | 72-134      |     |           | B               |
| 1,2,3,6,7,8-HxCDD                                 | 0.000955 | 0.00005         | 0.51 | ug/L  | 0.001       |                | 95        | 76-134      |     |           | B               |
| 1,2,3,6,7,8-HxCDF                                 | 0.000944 | 0.00005         | 0.71 | ug/L  | 0.001       |                | 94        | 84-130      |     |           | B               |
| 1,2,3,7,8,9-HxCDD                                 | 0.00098  | 0.00005         | 0.49 | ug/L  | 0.001       |                | 98        | 64-162      |     |           | B               |
| 1,2,3,7,8,9-HxCDF                                 | 0.000942 | 0.00005         | 0.76 | ug/L  | 0.001       |                | 94        | 78-130      |     |           | B               |
| 1,2,3,7,8-PeCDD                                   | 0.000947 | 0.00005         | 2    | ug/L  | 0.001       |                | 95        | 70-142      |     |           | B               |
| 1,2,3,7,8-PeCDF                                   | 0.00097  | 0.00005         | 1.5  | ug/L  | 0.001       |                | 97        | 80-134      |     |           | B               |
| 2,3,4,6,7,8-HxCDF                                 | 0.00096  | 0.00005         | 0.63 | ug/L  | 0.001       |                | 96        | 70-156      |     |           | B               |
| 2,3,4,7,8-PeCDF                                   | 0.000961 | 0.00005         | 1.7  | ug/L  | 0.001       |                | 96        | 68-160      |     |           | B               |
| 2,3,7,8-TCDD                                      | 0.000187 | 0.00001         | 0.8  | ug/L  | 0.0002      |                | 93        | 67-158      |     |           | B               |
| 2,3,7,8-TCDF                                      | 0.000184 | 0.00001         | 0.89 | ug/L  | 0.0002      |                | 92        | 75-158      |     |           |                 |
| OCDD  | 0.00185  | 0.0001          | 2    | ug/L  | 0.002       |                | 93        | 78-144      |     |           | B               |
| OCDF  | 0.00186  | 0.0001          | 1.3  | ug/L  | 0.002       |                | 93        | 63-170      |     |           | B               |
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDD                | 0.00134  |                 |      | ug/L  | 2000        |                | 67        | 23-140      |     |           |                 |
| Surrogate: 13C-1,2,3,4,6,7,8-HpCDF                | 0.0014   |                 |      | ug/L  | 2000        |                | 70        | 28-143      |     |           |                 |
| Surrogate: 13C-1,2,3,4,7,8,9-HpCDF                | 0.0013   |                 |      | ug/L  | 2000        |                | 65        | 26-138      |     |           |                 |
| Surrogate: 13C-1,2,3,4,7,8-HxCDD                  | 0.0013   |                 |      | ug/L  | 2000        |                | 65        | 32-141      |     |           |                 |
| Surrogate: 13C-1,2,3,4,7,8-HxCDF                  | 0.00133  |                 |      | ug/L  | 2000        |                | 66        | 26-152      |     |           |                 |
| Surrogate: 13C-1,2,3,6,7,8-HxCDD                  | 0.00135  |                 |      | ug/L  | 2000        |                | 67        | 28-130      |     |           |                 |
| Surrogate: 13C-1,2,3,6,7,8-HxCDF                  | 0.00142  |                 |      | ug/L  | 2000        |                | 71        | 26-123      |     |           |                 |
| Surrogate: 13C-1,2,3,7,8,9-HxCDF                  | 0.00135  |                 |      | ug/L  | 2000        |                | 67        | 29-147      |     |           |                 |
| Surrogate: 13C-1,2,3,7,8-PeCDD                    | 0.00113  |                 |      | ug/L  | 2000        |                | 57        | 25-181      |     |           |                 |
| Surrogate: 13C-1,2,3,7,8-PeCDF                    | 0.00115  |                 |      | ug/L  | 2000        |                | 57        | 24-185      |     |           |                 |
| Surrogate: 13C-2,3,4,6,7,8-HxCDF                  | 0.00142  |                 |      | ug/L  | 2000        |                | 71        | 28-136      |     |           |                 |

### TestAmerica Irvine

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 618 Michillinda Avenue, Suite 200  
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 Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
 Received: 12/11/09

## METHOD BLANK/QC DATA

### EPA-5 1613B

| Analyte  | Result   | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|----------|-----------------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| <b>Batch: 9358229 Extracted: 12/24/09</b>      |          |                 |     |       |             |               |      |             |     |           |                 |
| <b>LCS Analyzed: 12/29/2009 (G9L24000229C)</b> |          |                 |     |       |             |               |      |             |     |           |                 |
| Surrogate: 13C-2,3,4,7,8-PeCDF                 | 0.00118  |                 |     | ug/L  | 2000        |               | 59   | 21-178      |     |           |                 |
| Surrogate: 13C-2,3,7,8-TCDD                    | 0.00127  |                 |     | ug/L  | 2000        |               | 63   | 25-164      |     |           |                 |
| Surrogate: 13C-2,3,7,8-TCDF                    | 0.00131  |                 |     | ug/L  | 2000        |               | 66   | 24-169      |     |           |                 |
| Surrogate: 13C-OCDD                            | 0.00253  |                 |     | ug/L  | 4000        |               | 63   | 17-157      |     |           |                 |
| Surrogate: 37Cl-2,3,7,8-TCDD                   | 0.000616 |                 |     | ug/L  | 0.0008      |               | 77   | 35-197      |     |           |                 |

TestAmerica Irvine

Joseph Doak  
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

MWH-Pasadena/Boeing  
618 Michillinda Avenue, Suite 200  
Arcadia, CA 91007  
Attention: Alex Fischl

Project ID: ISRA SWPP Sample A2LF-3

Report Number: ISL1631

Sampled: 12/11/09  
Received: 12/11/09

## DATA QUALIFIERS AND DEFINITIONS

- B** Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON** Confirmation analysis.
- J** Estimated result. Result is less than the reporting limit.
- Q** Estimated maximum possible concentration (EMPC).
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

**TestAmerica Irvine**

Joseph Doak  
Project Manager

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**ISL1631 <Page 11 of 12>**

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Report Number: ISL1631

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## Certification Summary

### TestAmerica Irvine

| Method    | Matrix | Nelac | California |
|-----------|--------|-------|------------|
| EPA 200.8 | Water  | X     | X          |
| SM 2540D  | 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](http://www.testamericainc.com)*

### Subcontracted Laboratories

#### TestAmerica West Sacramento

880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: EPA-5 1613B

Samples: ISL1631-01

### TestAmerica Irvine

Joseph Doak  
Project Manager



Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614

phone 949.261.1022 fax 949.260.3299

Client Contact

The Boeing Company SSFL

5800 Woolsey Canyon Road

Canoga Park, CA 91304

Phone

FAX

Project Name: ISRA - HW Waste Characterization - SV

Site: Happy Valley AZLF-3

P.O.# 7KSSISRA

Project Manager: Tom Venable

Tel/Fax: 818-466-8779 / 818-466-4873

Analysis Turnaround Time

Calendar (C) or Work Days (W)

- 2 weeks
- 1 week
- 2 days
- 1 day

TAT: if different from Below

Site Contact: Shelby Valenzuela

Lab Contact: Joe Doak

COC No:

Date: 12-11-09

Carrier: Lab-pick-up

Job No. 1007275.6121112

SDG No.

Sample Identification

A2SW0005 SD01

Sample Date 12-11-09

Sample Time 10:44

Sample Type W

Matrix W

# of Cont. 3

Sample Specific Notes: AZLF-3

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other

Possible Hazard Identification

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments: Run STLCA (WET) / TCLP if TCLC results > 10x STLCA results. 2. 10x STLCA / 20x TCLP thresholds

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For 0 Months

Relinquished by:

[Signature]

Relinquished by:

Company: MWH  
Company: Test America  
Company:

Date/Time: 12-11-09 14:25

Date/Time: 12-11-09 17:40  
Date/Time: 12-11-09 17:40  
Date/Time:

Received by:

[Signature]

Received by:

Company: Test America  
Company: CT  
Company:

Date/Time: 12-11-09 14:25

Date/Time: 12-11-09 17:40  
Date/Time: 12-11-09 17:40  
Date/Time:

SUBCONTRACT ORDER

TestAmerica Irvine

ISL1631

SENDING LABORATORY:

TestAmerica Irvine  
17461 Derian Avenue, Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297  
Project Manager: Joseph Doak  
Client: MWH-Pasadena/Boeing

RECEIVING LABORATORY:

TestAmerica West Sacramento  
880 Riverside Parkway  
West Sacramento, CA 95605  
Phone : (916) 373-5600  
Fax: (916) 372-1059  
Project Location: CA - CALIFORNIA  
Receipt Temperature: 9 °C Ice: Y / N

| Analysis | Units | Due | Expires | Interlab Price | Surch | Comments |
|----------|-------|-----|---------|----------------|-------|----------|
|----------|-------|-----|---------|----------------|-------|----------|

Sample ID: ISL1631-01 (A2SW0005 S001 - Water)

Sampled: 12/11/09 10:44

|                    |      |          |                |        |    |  |
|--------------------|------|----------|----------------|--------|----|--|
| 1613-Dioxin-HR OUT | pg/l | 12/22/09 | 12/18/09 10:44 | \$0.00 | 0% | J flags, 17 congeners, no TEQ, ug/L, sub=TA West Sac |
|--------------------|------|----------|----------------|--------|----|--|

Containers Supplied:

1 L Amber (A)

M. Magallon Released By 12/15/09 17:00 Date/Time

FedEx Received By 12/15/09 17:00 Date/Time

Released By \_\_\_\_\_ Date/Time \_\_\_\_\_

e. Long Received By 12/16/09-0925 Date/Time



CLIENT TAL-IRVINE PM U LOG # 62476

LOT# (QUANTIMS ID) 99L160505 QUOTE# 84779 LOCATION W22B

DATE RECEIVED 12/16/09 TIME RECEIVED 0850 Checked (✓)

DELIVERED BY  FEDEX  ON TRAC  CLIENT

GOLDENSTATE  UPS  GO-GETTERS  OTHER

TAL COURIER  TAL SF  VALLEY LOGISTICS

CUSTODY SEAL STATUS  INTACT  BROKEN  N/A

CUSTODY SEAL #(S) Seal

SHIPPING CONTAINER(S)  TAL  CLIENT  N/A

COC #(S) NA

TEMPERATURE BLANK Observed: NA Corrected: \_\_\_\_\_

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: 2.2, 2 Average 2 Corrected Average 2

**LABORATORY THERMOMETER ID:**

IR UNIT: #4  #5  OTHER \_\_\_\_\_

EV 12/16/09  
Initials Date

pH MEASURED  YES  ANOMALY  N/A

LABELED BY \_\_\_\_\_

LABELS CHECKED BY \_\_\_\_\_

PEER REVIEW \_\_\_\_\_  NA

SHORT HOLD TEST NOTIFICATION  SAMPLE RECEIVING

WETCHEM  N/A

VOA-ENCORES  N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH  N/A   
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES

CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>\*1</sup>  N/A

WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED

EV 12/16/09  
Initials Date

Notes \_\_\_\_\_

\*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot

ID:

99160505

|               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| VOA*          | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  |
| VOAh*         | / | / | / | / | / | / | / | / | / | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  | /  |
| AGB           | 1 |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| AGBs          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250AGB        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250AGBs       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250AGBn       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500AGB        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| ___AGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500AGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250AGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 125AGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| ___CGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500CGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250CGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 125CGJ        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| PJ            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| PJn           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500PJ         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500PJn        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500PJna       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 500PJzn/na    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250PJ         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250PJn        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250PJna       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| 250PJzn/na    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Acetate Tube  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| ___CT         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Encore        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Folder/filter |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| PUF           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Petri/Filter  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| XAD Trap      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |
| Ziploc        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's