



LABORATORY REPORT

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

Project: Boeing SSFL-NPDES (sand)
TAS#

Sampled: 10/18/05
Received: 10/18/05
Issued: 11/02/05 17:41

NELAP #01108CA California ELAP#1197 CSDLAC #10117

*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 Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. 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.*

CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.
- HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical 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: No analyses were subcontracted to an outside laboratory.
- ADDITIONAL INFORMATION:
 - Sample IOJ1230-01 DIWET analysis was prepared by adding 200 grams of sample to 200 milliliters of DI water. The sample was leached for 24 hours and then filtered, acidified and analyzed.
 - Sample IOJ1230-01RE1 DIWET analysis was prepared by adding 200 grams of sample to 200 milliliters of DI water. The sample was leached for 1 hour and then filtered, acidified and analyzed.
 - Sample IOJ1230-01RE2 DIWET analysis was prepared by rinsing 200 grams of sample with DI water then it was added to 200 milliliters of DI water. The sample was leached for 1 hour and then filtered, acidified and analyzed.
 - Sample IOJ1230-02 analysis was prepared by rinsing 200 grams of sample with DI water then it was added to 200 milliliters of DI water. The sample was leached for 1 hour and then decanted, acidified, digested and analyzed.
 - Sample IOJ1230-03 analysis was prepared by rinsing 200 grams of sample with DI water then it was added to 200 milliliters of DI water. The sample was set aside for 1 hour and then decanted, acidified, digested and analyzed.
 - Sample IOJ1230-04 analysis was prepared by using the left over 200 grams of sample from IOJ1230-02 and adding it to 200 milliliters of DI water. The sample was set aside for 15 minutes and then decanted, acidified, digested and analyzed.



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LABORATORY ID	CLIENT ID	MATRIX
IOJ1230-01	Sand Soil	Soil
IOJ1230-02	Sand Soil -leach	Water
IOJ1230-03	Sand Soil -mixed w/ water (1 hour)	Water
IOJ1230-04	Sand Soil -mixed w/ water (15 min)	Water

Reviewed By:

Del Mar Analytical, Irvine
Michele Harper
Project Manager

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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-01 (Sand Soil - Soil)									
Reporting Units: mg/kg dry									
Antimony	EPA 6020	5J18117	0.030	1.0	0.043	1	10/18/05	10/19/05	J
Arsenic	EPA 6010B	5J18116	0.60	2.0	ND	1	10/18/05	10/19/05	
Barium	EPA 6010B	5J18116	0.80	1.0	6.0	1	10/18/05	10/19/05	
Beryllium	EPA 6010B	5J18116	0.20	0.50	ND	1	10/18/05	10/19/05	
Boron	EPA 6010B	5J18116	1.0	5.0	ND	1	10/18/05	10/19/05	
Cadmium	EPA 6020	5J18117	0.020	0.50	ND	1	10/18/05	10/19/05	
Chromium	EPA 6010B	5J18116	0.30	1.0	1.3	1	10/18/05	10/19/05	
Cobalt	EPA 6010B	5J18116	0.30	1.0	0.30	1	10/18/05	10/19/05	J
Copper	EPA 6020	5J18117	0.20	1.0	1.7	1	10/18/05	10/19/05	B
Iron	EPA 6010B	5J18116	1.5	5.0	1300	1	10/18/05	10/19/05	M-HA
Lead	EPA 6020	5J18117	0.020	0.50	0.29	1	10/18/05	10/19/05	J
Manganese	EPA 6010B	5J18116	0.80	1.0	13	1	10/18/05	10/19/05	
Mercury	EPA 7471A	5J19084	0.0030	0.020	ND	1	10/19/05	10/19/05	
Nickel	EPA 6010B	5J18116	0.20	2.0	0.63	1	10/18/05	10/19/05	J
Selenium	EPA 6020	5J18117	0.20	1.0	1.7	1	10/18/05	10/19/05	
Silver	EPA 6020	5J18117	0.020	0.50	ND	1	10/18/05	10/19/05	L
Thallium	EPA 6020	5J18117	0.10	0.50	ND	1	10/18/05	10/19/05	
Vanadium	EPA 6010B	5J18116	0.30	1.0	2.6	1	10/18/05	10/19/05	
Zinc	EPA 6010B	5J18116	1.5	5.0	6.6	1	10/18/05	10/19/05	

Sample ID: IOJ1230-02 (Sand Soil -leach - Water)

Reporting Units: mg/l

Barium	EPA 200.7	5J26069	0.0060	0.010	0.38	1	10/26/05	10/27/05	
Boron	EPA 200.7	5J26069	0.0080	0.050	ND	1	10/26/05	10/27/05	
Iron	EPA 200.7	5J26069	0.015	0.040	61	1	10/26/05	10/27/05	

Sample ID: IOJ1230-03 (Sand Soil -mixed w/ water (1 hour) - Water)

Reporting Units: mg/l

Barium	EPA 200.7	5J28100	0.0060	0.010	0.052	1	10/28/05	10/29/05	
Boron	EPA 200.7	5J28100	0.0080	0.050	ND	1	10/28/05	10/29/05	
Iron	EPA 200.7	5J28100	0.015	0.040	15	1	10/28/05	10/29/05	

Sample ID: IOJ1230-04 (Sand Soil -mixed w/ water (15 min) - Water)

Reporting Units: mg/l

Barium	EPA 200.7	5K01073	0.0060	0.010	0.068	1	11/01/05	11/01/05	
Boron	EPA 200.7	5K01073	0.0080	0.050	ND	1	11/01/05	11/01/05	
Iron	EPA 200.7	5K01073	0.015	0.040	9.5	1	11/01/05	11/01/05	

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 Project Manager



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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-02 (Sand Soil -leach - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	5J26070	0.050	2.0	0.43	1	10/26/05	10/26/05	J
Arsenic	EPA 200.7	5J26069	4.4	5.0	35	1	10/26/05	10/27/05	
Beryllium	EPA 200.7	5J26069	0.90	2.0	1.4	1	10/26/05	10/27/05	J
Cadmium	EPA 200.8	5J26070	0.025	1.0	0.93	1	10/26/05	10/26/05	J
Chromium	EPA 200.7	5J26069	2.0	5.0	98	1	10/26/05	10/27/05	
Cobalt	EPA 200.7	5J26069	2.0	10	20	1	10/26/05	10/27/05	
Copper	EPA 200.8	5J26070	0.25	2.0	38	1	10/26/05	10/26/05	
Lead	EPA 200.8	5J26070	0.040	1.0	14	1	10/26/05	10/26/05	
Manganese	EPA 200.7	5J26069	7.0	20	580	1	10/26/05	10/27/05	
Mercury	EPA 245.1	5J27058	0.050	0.20	0.12	1	10/27/05	10/27/05	J
Nickel	EPA 200.7	5J26069	2.0	10	43	1	10/26/05	10/27/05	
Selenium	EPA 200.8	5J26070	0.30	2.0	6.3	1	10/26/05	10/26/05	
Silver	EPA 200.8	5J26070	0.025	1.0	0.085	1	10/26/05	10/26/05	J
Thallium	EPA 200.8	5J26070	0.15	1.0	0.42	1	10/26/05	10/26/05	J
Vanadium	EPA 200.7	5J26069	3.0	10	190	1	10/26/05	10/27/05	
Zinc	EPA 200.7	5J26069	15	20	130	1	10/26/05	10/27/05	

Sample ID: IOJ1230-03 (Sand Soil -mixed w/ water (1 hour) - Water)

Reporting Units: ug/l

Antimony	EPA 200.8	5J28089	0.050	2.0	0.24	1	10/28/05	10/31/05	J
Arsenic	EPA 200.7	5J28100	4.4	5.0	14	1	10/28/05	10/29/05	
Beryllium	EPA 200.7	5J28100	0.90	2.0	2.8	1	10/28/05	10/29/05	
Cadmium	EPA 200.8	5J28089	0.025	1.0	0.045	1	10/28/05	10/31/05	J
Chromium	EPA 200.7	5J28100	2.0	5.0	15	1	10/28/05	10/29/05	
Cobalt	EPA 200.7	5J28100	2.0	10	4.3	1	10/28/05	10/29/05	J
Copper	EPA 200.8	5J31061	0.25	2.0	22	1	10/31/05	10/31/05	
Lead	EPA 200.8	5J28089	0.040	1.0	1.5	1	10/28/05	10/31/05	
Manganese	EPA 200.7	5J28100	7.0	20	140	1	10/28/05	10/29/05	
Mercury	EPA 245.1	5J28102	0.050	0.20	ND	1	10/28/05	10/28/05	
Nickel	EPA 200.7	5J28100	2.0	10	12	1	10/28/05	10/29/05	
Selenium	EPA 200.8	5J28089	0.30	2.0	1.5	1	10/28/05	10/31/05	J
Silver	EPA 200.8	5J28089	0.025	1.0	ND	1	10/28/05	10/31/05	
Thallium	EPA 200.8	5J28089	0.15	1.0	0.15	1	10/28/05	10/31/05	J
Vanadium	EPA 200.7	5J28100	3.0	10	28	1	10/28/05	10/29/05	
Zinc	EPA 200.7	5J28100	15	20	88	1	10/28/05	10/29/05	

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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-04 (Sand Soil -mixed w/ water (15 min) - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	5K01076	0.050	2.0	0.31	1	11/01/05	11/01/05	J
Arsenic	EPA 200.7	5K01073	4.4	5.0	7.4	1	11/01/05	11/01/05	
Beryllium	EPA 200.7	5K01073	0.90	2.0	ND	1	11/01/05	11/01/05	
Cadmium	EPA 200.8	5K01076	0.025	1.0	0.13	1	11/01/05	11/01/05	J
Chromium	EPA 200.7	5K01073	2.0	5.0	16	1	11/01/05	11/01/05	
Cobalt	EPA 200.7	5K01073	2.0	10	2.3	1	11/01/05	11/01/05	J
Copper	EPA 200.8	5K01076	0.25	2.0	7.1	1	11/01/05	11/01/05	
Lead	EPA 200.8	5K01076	0.040	1.0	2.0	1	11/01/05	11/01/05	
Manganese	EPA 200.7	5K01073	7.0	20	72	1	11/01/05	11/01/05	
Mercury	EPA 245.1	5K01081	0.050	0.20	ND	1	11/01/05	11/01/05	
Nickel	EPA 200.7	5K01073	2.0	10	6.9	1	11/01/05	11/01/05	J
Selenium	EPA 200.8	5K01076	0.30	2.0	7.2	1	11/01/05	11/01/05	
Silver	EPA 200.8	5K01076	0.025	1.0	ND	1	11/01/05	11/01/05	
Thallium	EPA 200.8	5K01076	0.15	1.0	ND	1	11/01/05	11/01/05	
Vanadium	EPA 200.7	5K01073	3.0	10	28	1	11/01/05	11/01/05	
Zinc	EPA 200.7	5K01073	15	20	39	1	11/01/05	11/01/05	

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STLC METALS (DI WET)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-01 (Sand Soil - Soil)									
Reporting Units: mg/l									
Antimony	6020-DI WET	5J20126	0.000050	0.0020	0.0028	1	10/20/05	10/20/05	
Arsenic	6010B-DI WET	5J21072	0.0044	0.0050	0.027	1	10/21/05	10/21/05	
Cobalt	6010B-DI WET	5J21072	0.0020	0.010	0.0042	1	10/21/05	10/21/05	J
Barium	6010B-DI WET	5J21072	0.0060	0.010	0.51	1	10/21/05	10/21/05	
Beryllium	6010B-DI WET	5J21072	0.00090	0.0040	0.0010	1	10/21/05	10/21/05	J
Boron	6010B-DI WET	5J21072	0.0080	0.050	0.011	1	10/21/05	10/21/05	J
Cadmium	EPA 6020-DI WET	5J20126	0.000025	0.0010	0.00056	1	10/20/05	10/20/05	J
Chromium	6010B-DI WET	5J21072	0.0020	0.0050	0.034	1	10/21/05	10/21/05	
Copper	6020B-DI WET	5J20126	0.00025	0.0020	0.021	1	10/20/05	10/20/05	
Iron	6010B-DI WET	5J21072	0.015	0.040	23	1	10/21/05	10/21/05	M-HA
Lead	6020-DI WET	5J20126	0.000040	0.0010	0.012	1	10/20/05	10/20/05	
Manganese	6010B-DI WET	5J21072	0.0070	0.020	0.19	1	10/21/05	10/21/05	
Mercury	7470A-DI WET	5J20121	0.00050	0.0020	ND	1	10/20/05	10/20/05	
Nickel	6010B-DI WET	5J21072	0.0020	0.010	0.0097	1	10/21/05	10/21/05	J
Selenium	6020B-DI WET	5J20126	0.00030	0.0020	0.012	1	10/20/05	10/20/05	
Silver	EPA 6020-DI WET	5J20126	0.000025	0.0010	0.00022	1	10/20/05	10/20/05	J
Thallium	6020-DI WET	5J20126	0.00015	0.0010	0.00016	1	10/20/05	10/20/05	J
Vanadium	6010B-DI WET	5J21072	0.0030	0.010	0.13	1	10/21/05	10/21/05	
Zinc	6010B-DI WET	5J21072	0.015	0.020	0.027	1	10/21/05	10/21/05	

Sample ID: IOJ1230-01RE1 (Sand Soil - Soil)

Reporting Units: mg/l

Antimony	6020-DI WET	5J25092	0.000050	0.0020	0.00047	1	10/25/05	10/25/05	J
Arsenic	6010B-DI WET	5J25091	0.0044	0.0050	ND	1	10/25/05	10/26/05	
Cobalt	6010B-DI WET	5J25091	0.0020	0.010	ND	1	10/25/05	10/26/05	
Barium	6010B-DI WET	5J25091	0.0060	0.010	0.036	1	10/25/05	10/26/05	
Beryllium	6010B-DI WET	5J25091	0.00090	0.0040	ND	1	10/25/05	10/26/05	
Boron	6010B-DI WET	5J25091	0.0080	0.050	ND	1	10/25/05	10/26/05	
Cadmium	EPA 6020-DI WET	5J25092	0.000025	0.0010	0.00010	1	10/25/05	10/25/05	J
Chromium	6010B-DI WET	5J25091	0.0020	0.0050	ND	1	10/25/05	10/26/05	
Copper	6020B-DI WET	5J25092	0.00025	0.0020	0.0042	1	10/25/05	10/25/05	
Iron	6010B-DI WET	5J25091	0.015	0.040	0.84	1	10/25/05	10/26/05	M1
Lead	6020-DI WET	5J25092	0.000040	0.0010	0.0017	1	10/25/05	10/25/05	
Manganese	6010B-DI WET	5J25091	0.0070	0.020	0.021	1	10/25/05	10/26/05	
Mercury	7470A-DI WET	5J26082	0.00050	0.0020	ND	1	10/26/05	10/26/05	
Nickel	6010B-DI WET	5J25091	0.0020	0.010	ND	1	10/25/05	10/26/05	
Selenium	6020B-DI WET	5J25092	0.00030	0.0020	0.0054	1	10/25/05	10/25/05	
Silver	EPA 6020-DI WET	5J25092	0.000025	0.0010	0.00016	1	10/25/05	10/25/05	J
Thallium	6020-DI WET	5J25092	0.00015	0.0010	ND	1	10/25/05	10/25/05	
Vanadium	6010B-DI WET	5J25091	0.0030	0.010	0.013	1	10/25/05	10/26/05	
Zinc	6010B-DI WET	5J25091	0.015	0.020	0.017	1	10/25/05	10/26/05	J

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STLC METALS (DI WET)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-01RE2 (Sand Soil - Soil) - cont.									
Reporting Units: mg/l									
Antimony	6020-DI WET	5J25092	0.000050	0.0020	0.00027	1	10/25/05	10/25/05	J
Arsenic	6010B-DI WET	5J25091	0.0044	0.0050	ND	1	10/25/05	10/26/05	
Cobalt	6010B-DI WET	5J25091	0.0020	0.010	ND	1	10/25/05	10/26/05	
Barium	6010B-DI WET	5J25091	0.0060	0.010	0.016	1	10/25/05	10/26/05	
Beryllium	6010B-DI WET	5J25091	0.00090	0.0040	ND	1	10/25/05	10/26/05	
Boron	6010B-DI WET	5J25091	0.0080	0.050	ND	1	10/25/05	10/26/05	
Cadmium	EPA 6020-DI WET	5J25092	0.000025	0.0010	0.000043	1	10/25/05	10/25/05	J
Chromium	6010B-DI WET	5J25091	0.0020	0.0050	ND	1	10/25/05	10/26/05	
Copper	6020B-DI WET	5J25092	0.00025	0.0020	0.0021	1	10/25/05	10/25/05	
Iron	6010B-DI WET	5J25091	0.015	0.040	0.50	1	10/25/05	10/26/05	
Lead	6020-DI WET	5J25092	0.000040	0.0010	0.00076	1	10/25/05	10/25/05	J
Manganese	6010B-DI WET	5J25091	0.0070	0.020	0.0091	1	10/25/05	10/26/05	J
Mercury	7470A-DI WET	5J26082	0.00050	0.0020	ND	1	10/26/05	10/26/05	
Nickel	6010B-DI WET	5J25091	0.0020	0.010	ND	1	10/25/05	10/26/05	
Selenium	6020B-DI WET	5J25092	0.00030	0.0020	0.0019	1	10/25/05	10/25/05	J
Silver	EPA 6020-DI WET	5J25092	0.000025	0.0010	0.000061	1	10/25/05	10/25/05	J
Thallium	6020-DIWET	5J25092	0.00015	0.0010	ND	1	10/25/05	10/25/05	
Vanadium	6010B-DI WET	5J25091	0.0030	0.010	0.0090	1	10/25/05	10/26/05	J
Zinc	6010B-DI WET	5J25091	0.015	0.020	0.021	1	10/25/05	10/26/05	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOJ1230-01 (Sand Soil - Soil) - cont.									
Reporting Units: %									
Percent Solids	EPA 160.3 MOD	5J18115	N/A	0.10	100	1	10/18/05	10/18/05	

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Report Number: IOJ1230

Sampled: 10/18/05
Received: 10/18/05

WASTE EXTRACTION TEST (DI Water) - METALS

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IOJ1230-01 (Sand Soil - Soil)					
Extraction	DI WET-Met	5J19102	10/19/2005	10/20/2005	
Sample ID: IOJ1230-01RE1 (Sand Soil - Soil)					
Extraction	DI WET-Met	5J25082	10/25/2005	10/25/2005	
Sample ID: IOJ1230-01RE2 (Sand Soil - Soil)					
Extraction	DI WET-Met	5J25082	10/25/2005	10/25/2005	

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Data Qualifiers
Batch: 5J18116 Extracted: 10/18/05										
Blank Analyzed: 10/19/2005 (5J18116-BLK1)										
Arsenic	ND	2.0	0.60	mg/kg wet						
Barium	ND	1.0	0.80	mg/kg wet						
Beryllium	ND	0.50	0.20	mg/kg wet						
Boron	ND	5.0	1.0	mg/kg wet						
Chromium	ND	1.0	0.30	mg/kg wet						
Cobalt	ND	1.0	0.30	mg/kg wet						
Iron	ND	5.0	1.5	mg/kg wet						
Manganese	ND	1.0	0.80	mg/kg wet						
Nickel	ND	2.0	0.20	mg/kg wet						
Vanadium	ND	1.0	0.30	mg/kg wet						
Zinc	ND	5.0	1.5	mg/kg wet						

LCS Analyzed: 10/19/2005 (5J18116-BS1)

Arsenic	48.2	2.0	0.60	mg/kg wet	50.0		96	80-120		
Barium	48.0	1.0	0.80	mg/kg wet	50.0		96	80-120		
Beryllium	49.0	0.50	0.20	mg/kg wet	50.0		98	80-120		
Boron	56.6	5.0	1.0	mg/kg wet	50.0		113	80-120		
Chromium	48.7	1.0	0.30	mg/kg wet	50.0		97	80-120		
Cobalt	47.6	1.0	0.30	mg/kg wet	50.0		95	80-120		
Iron	49.8	5.0	1.5	mg/kg wet	50.0		100	80-120		
Manganese	49.9	1.0	0.80	mg/kg wet	50.0		100	80-120		
Nickel	47.1	2.0	0.20	mg/kg wet	50.0		94	80-120		
Vanadium	48.4	1.0	0.30	mg/kg wet	50.0		97	80-120		
Zinc	47.5	5.0	1.5	mg/kg wet	50.0		95	80-120		

Matrix Spike Analyzed: 10/19/2005 (5J18116-MS1)

					Source: IOJ1230-01					
Arsenic	49.5	2.0	0.60	mg/kg dry	50.2	ND	99	75-125		
Barium	55.7	1.0	0.80	mg/kg dry	50.2	6.0	99	75-125		
Beryllium	49.7	0.50	0.20	mg/kg dry	50.2	ND	99	75-125		
Boron	50.1	5.0	1.0	mg/kg dry	50.2	ND	100	75-125		
Chromium	51.9	1.0	0.30	mg/kg dry	50.2	1.3	101	75-125		
Cobalt	49.1	1.0	0.30	mg/kg dry	50.2	0.30	97	75-125		
Iron	1620	5.0	1.5	mg/kg dry	50.2	1300	637	75-125		M-HA
Manganese	69.5	1.0	0.80	mg/kg dry	50.2	13	113	75-125		
Nickel	50.1	2.0	0.20	mg/kg dry	50.2	0.63	99	75-125		
Vanadium	53.3	1.0	0.30	mg/kg dry	50.2	2.6	101	75-125		

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J18116 Extracted: 10/18/05											
Matrix Spike Analyzed: 10/19/2005 (5J18116-MS1)						Source: IOJ1230-01					
Zinc	52.1	5.0	1.5	mg/kg dry	50.2	6.6	91	75-125			
Matrix Spike Dup Analyzed: 10/19/2005 (5J18116-MSD1)						Source: IOJ1230-01					
Arsenic	48.9	2.0	0.60	mg/kg dry	50.2	ND	97	75-125	1	20	
Barium	54.2	1.0	0.80	mg/kg dry	50.2	6.0	96	75-125	3	20	
Beryllium	49.2	0.50	0.20	mg/kg dry	50.2	ND	98	75-125	1	20	
Boron	49.3	5.0	1.0	mg/kg dry	50.2	ND	98	75-125	2	20	
Chromium	51.0	1.0	0.30	mg/kg dry	50.2	1.3	99	75-125	2	20	
Cobalt	48.1	1.0	0.30	mg/kg dry	50.2	0.30	95	75-125	2	20	
Iron	1610	5.0	1.5	mg/kg dry	50.2	1300	618	75-125	1	20	M-HA
Manganese	65.4	1.0	0.80	mg/kg dry	50.2	13	104	75-125	6	20	
Nickel	48.8	2.0	0.20	mg/kg dry	50.2	0.63	96	75-125	3	20	
Vanadium	51.9	1.0	0.30	mg/kg dry	50.2	2.6	98	75-125	3	20	
Zinc	50.9	5.0	1.5	mg/kg dry	50.2	6.6	88	75-125	2	20	

Batch: 5J18117 Extracted: 10/18/05

Blank Analyzed: 10/19/2005 (5J18117-BLK1)

Antimony	ND	1.0	0.030	mg/kg wet							
Cadmium	ND	0.50	0.020	mg/kg wet							
Copper	0.722	1.0	0.20	mg/kg wet							J
Lead	ND	0.50	0.020	mg/kg wet							
Selenium	ND	1.0	0.20	mg/kg wet							
Silver	ND	0.50	0.020	mg/kg wet							
Thallium	ND	0.50	0.10	mg/kg wet							

LCS Analyzed: 10/19/2005 (5J18117-BS1)

Antimony	50.4	1.0	0.030	mg/kg wet	50.0		101	80-120			
Cadmium	50.4	0.50	0.020	mg/kg wet	50.0		101	80-120			
Copper	54.5	1.0	0.20	mg/kg wet	50.0		109	80-120			
Lead	49.9	0.50	0.020	mg/kg wet	50.0		100	80-120			
Selenium	46.0	1.0	0.20	mg/kg wet	50.0		92	80-120			
Silver	30.5	0.50	0.020	mg/kg wet	25.0		122	80-120			L
Thallium	50.1	0.50	0.10	mg/kg wet	50.0		100	80-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J18117 Extracted: 10/18/05											
Matrix Spike Analyzed: 10/19/2005 (5J18117-MS1)						Source: IOJ1230-01					
Antimony	49.9	1.0	0.030	mg/kg dry	50.2	0.043	99	75-125			
Cadmium	51.6	0.50	0.020	mg/kg dry	50.2	ND	103	75-125			
Copper	56.1	1.0	0.20	mg/kg dry	50.2	1.7	108	75-125			
Lead	50.8	0.50	0.020	mg/kg dry	50.2	0.29	101	75-125			
Selenium	47.6	1.0	0.20	mg/kg dry	50.2	1.7	91	75-125			
Silver	30.5	0.50	0.020	mg/kg dry	25.1	ND	122	75-125			
Thallium	50.7	0.50	0.10	mg/kg dry	50.2	ND	101	75-125			

Matrix Spike Dup Analyzed: 10/19/2005 (5J18117-MSD1)						Source: IOJ1230-01					
Antimony	49.1	1.0	0.030	mg/kg dry	50.2	0.043	98	75-125	2	20	
Cadmium	51.1	0.50	0.020	mg/kg dry	50.2	ND	102	75-125	1	20	
Copper	54.7	1.0	0.20	mg/kg dry	50.2	1.7	106	75-125	3	20	
Lead	50.3	0.50	0.020	mg/kg dry	50.2	0.29	100	75-125	1	20	
Selenium	48.2	1.0	0.20	mg/kg dry	50.2	1.7	93	75-125	1	20	
Silver	30.2	0.50	0.020	mg/kg dry	25.1	ND	120	75-125	1	20	
Thallium	49.9	0.50	0.10	mg/kg dry	50.2	ND	99	75-125	2	20	

Batch: 5J19084 Extracted: 10/19/05

Blank Analyzed: 10/19/2005 (5J19084-BLK1)

Mercury ND 0.020 0.0030 mg/kg wet

LCS Analyzed: 10/19/2005 (5J19084-BS1)

Mercury 0.829 0.020 0.0030 mg/kg wet 0.800 104 85-120

Matrix Spike Analyzed: 10/19/2005 (5J19084-MS1)

Mercury 0.889 0.020 0.0030 mg/kg wet 0.800 0.045 106 65-135

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J19084 Extracted: 10/19/05

Matrix Spike Dup Analyzed: 10/19/2005 (5J19084-MSD1)

Source: IOJ0993-07

Mercury	0.885	0.020	0.0030	mg/kg wet	0.800	0.045	105	65-135	1	20	
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Batch: 5J26069 Extracted: 10/26/05

Blank Analyzed: 10/27/2005 (5J26069-BLK1)

Arsenic	ND	5.0	4.4	ug/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	2.0	0.90	ug/l							
Boron	ND	0.050	0.0080	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Cobalt	ND	10	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Vanadium	ND	10	3.0	ug/l							
Zinc	ND	20	15	ug/l							

LCS Analyzed: 10/27/2005 (5J26069-BS1)

Arsenic	479	5.0	4.4	ug/l	500		96	85-115			
Barium	0.445	0.010	0.0060	mg/l	0.500		89	85-115			
Beryllium	468	2.0	0.90	ug/l	500		94	85-115			
Boron	0.442	0.050	0.0080	mg/l	0.500		88	85-115			
Chromium	479	5.0	2.0	ug/l	500		96	85-115			
Cobalt	478	10	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	478	20	7.0	ug/l	500		96	85-115			
Nickel	460	10	2.0	ug/l	500		92	85-115			
Vanadium	460	10	3.0	ug/l	500		92	85-115			
Zinc	455	20	15	ug/l	500		91	85-115			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J26069 Extracted: 10/26/05											
Matrix Spike Analyzed: 10/27/2005 (5J26069-MS1)						Source: IOJ1719-01					
Arsenic	514	5.0	4.4	ug/l	500	ND	103	70-130			
Barium	0.472	0.010	0.0060	mg/l	0.500	0.020	90	70-130			
Beryllium	490	2.0	0.90	ug/l	500	ND	98	70-130			
Boron	0.645	0.050	0.0080	mg/l	0.500	0.15	99	70-130			
Chromium	491	5.0	2.0	ug/l	500	ND	98	70-130			
Cobalt	493	10	2.0	ug/l	500	ND	99	70-130			
Iron	0.526	0.040	0.015	mg/l	0.500	0.021	101	70-130			
Manganese	488	20	7.0	ug/l	500	ND	98	70-130			
Nickel	484	10	2.0	ug/l	500	ND	97	70-130			
Vanadium	483	10	3.0	ug/l	500	ND	97	70-130			
Zinc	509	20	15	ug/l	500	ND	102	70-130			

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Matrix Spike Dup Analyzed: 10/27/2005 (5J26069-MSD1)						Source: IOJ1719-01					
Arsenic	510	5.0	4.4	ug/l	500	ND	102	70-130	1	20	
Barium	0.474	0.010	0.0060	mg/l	0.500	0.020	91	70-130	0	20	
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130	0	20	
Boron	0.655	0.050	0.0080	mg/l	0.500	0.15	101	70-130	2	20	
Chromium	487	5.0	2.0	ug/l	500	ND	97	70-130	1	20	
Cobalt	494	10	2.0	ug/l	500	ND	99	70-130	0	20	
Iron	0.518	0.040	0.015	mg/l	0.500	0.021	99	70-130	2	20	
Manganese	486	20	7.0	ug/l	500	ND	97	70-130	0	20	
Nickel	483	10	2.0	ug/l	500	ND	97	70-130	0	20	
Vanadium	481	10	3.0	ug/l	500	ND	96	70-130	0	20	
Zinc	510	20	15	ug/l	500	ND	102	70-130	0	20	

Batch: 5J26070 Extracted: 10/26/05

Blank Analyzed: 10/26/2005 (5J26070-BLK1)

Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	ND	2.0	0.25	ug/l							
Lead	ND	1.0	0.040	ug/l							
Selenium	ND	2.0	0.30	ug/l							
Silver	ND	1.0	0.025	ug/l							
Thallium	ND	1.0	0.15	ug/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J26070 Extracted: 10/26/05											
LCS Analyzed: 10/26/2005 (5J26070-BS1)											
Antimony	82.8	2.0	0.050	ug/l	80.0		104	85-115			
Cadmium	83.0	1.0	0.025	ug/l	80.0		104	85-115			
Copper	82.4	2.0	0.25	ug/l	80.0		103	85-115			
Lead	83.0	1.0	0.040	ug/l	80.0		104	85-115			
Selenium	82.7	2.0	0.30	ug/l	80.0		103	85-115			
Silver	82.5	1.0	0.025	ug/l	80.0		103	85-115			
Thallium	80.7	1.0	0.15	ug/l	80.0		101	85-115			
Matrix Spike Analyzed: 10/26/2005 (5J26070-MS1) Source: IOJ1725-01											
Antimony	84.2	2.0	0.050	ug/l	80.0	0.12	105	70-130			
Cadmium	82.3	1.0	0.025	ug/l	80.0	ND	103	70-130			
Copper	83.4	2.0	0.25	ug/l	80.0	3.2	100	70-130			
Lead	78.9	1.0	0.040	ug/l	80.0	0.062	99	70-130			
Selenium	84.3	2.0	0.30	ug/l	80.0	0.43	105	70-130			
Silver	78.1	1.0	0.025	ug/l	80.0	ND	98	70-130			
Thallium	76.4	1.0	0.15	ug/l	80.0	ND	96	70-130			
Matrix Spike Analyzed: 10/26/2005-10/27/2005 (5J26070-MS2) Source: IOJ1767-01											
Antimony	82.6	2.0	0.050	ug/l	80.0	ND	103	70-130			
Cadmium	81.1	1.0	0.025	ug/l	80.0	0.027	101	70-130			
Copper	80.6	2.0	0.25	ug/l	80.0	3.5	96	70-130			
Lead	76.1	1.0	0.040	ug/l	80.0	0.044	95	70-130			
Selenium	81.9	2.0	0.30	ug/l	80.0	ND	102	70-130			
Silver	77.4	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	78.0	1.0	0.15	ug/l	80.0	ND	98	70-130			
Matrix Spike Dup Analyzed: 10/26/2005 (5J26070-MSD1) Source: IOJ1725-01											
Antimony	86.0	2.0	0.050	ug/l	80.0	0.12	107	70-130	2	20	
Cadmium	83.9	1.0	0.025	ug/l	80.0	ND	105	70-130	2	20	
Copper	85.9	2.0	0.25	ug/l	80.0	3.2	103	70-130	3	20	
Lead	81.0	1.0	0.040	ug/l	80.0	0.062	101	70-130	3	20	
Selenium	85.7	2.0	0.30	ug/l	80.0	0.43	107	70-130	2	20	
Silver	80.0	1.0	0.025	ug/l	80.0	ND	100	70-130	2	20	
Thallium	78.6	1.0	0.15	ug/l	80.0	ND	98	70-130	3	20	

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 5J27058 Extracted: 10/27/05											
Blank Analyzed: 10/27/2005 (5J27058-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 10/27/2005 (5J27058-BS1)											
Mercury	8.01	0.20	0.050	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 10/27/2005 (5J27058-MS1)											
Mercury	8.04	0.20	0.050	ug/l	8.00	ND	100	70-130			
Matrix Spike Dup Analyzed: 10/27/2005 (5J27058-MSD1)											
Mercury	7.84	0.20	0.050	ug/l	8.00	ND	98	70-130	3	20	
Batch: 5J28089 Extracted: 10/28/05											
Blank Analyzed: 10/31/2005 (5J28089-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Lead	ND	1.0	0.040	ug/l							
Selenium	ND	2.0	0.30	ug/l							
Silver	ND	1.0	0.025	ug/l							
Thallium	ND	1.0	0.15	ug/l							
LCS Analyzed: 10/31/2005 (5J28089-BS1)											
Antimony	85.7	2.0	0.050	ug/l	80.0		107	85-115			
Cadmium	85.4	1.0	0.025	ug/l	80.0		107	85-115			
Lead	83.4	1.0	0.040	ug/l	80.0		104	85-115			
Selenium	85.2	2.0	0.30	ug/l	80.0		106	85-115			
Silver	86.8	1.0	0.025	ug/l	80.0		108	85-115			
Thallium	84.6	1.0	0.15	ug/l	80.0		106	85-115			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J28089 Extracted: 10/28/05											
Matrix Spike Analyzed: 10/31/2005 (5J28089-MS1)						Source: IOJ1956-05					
Antimony	85.2	2.0	0.050	ug/l	80.0	0.83	105	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.078	103	70-130			
Lead	81.3	1.0	0.040	ug/l	80.0	ND	102	70-130			
Selenium	85.6	2.0	0.30	ug/l	80.0	1.2	106	70-130			
Silver	80.3	1.0	0.025	ug/l	80.0	ND	100	70-130			
Thallium	82.1	1.0	0.15	ug/l	80.0	ND	103	70-130			
Matrix Spike Dup Analyzed: 10/31/2005 (5J28089-MSD1)						Source: IOJ1956-05					
Antimony	86.9	2.0	0.050	ug/l	80.0	0.83	108	70-130	2	20	
Cadmium	84.7	1.0	0.025	ug/l	80.0	0.078	106	70-130	3	20	
Lead	82.0	1.0	0.040	ug/l	80.0	ND	102	70-130	1	20	
Selenium	89.8	2.0	0.30	ug/l	80.0	1.2	111	70-130	5	20	
Silver	81.0	1.0	0.025	ug/l	80.0	ND	101	70-130	1	20	
Thallium	82.6	1.0	0.15	ug/l	80.0	ND	103	70-130	1	20	
Batch: 5J28100 Extracted: 10/28/05											
Blank Analyzed: 10/29/2005 (5J28100-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	2.0	0.90	ug/l							
Boron	ND	0.050	0.0080	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Cobalt	ND	10	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Vanadium	ND	10	3.0	ug/l							
Zinc	ND	20	15	ug/l							

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J28100 Extracted: 10/28/05											
LCS Analyzed: 10/29/2005 (5J28100-BS1)											
Arsenic	509	5.0	4.4	ug/l	500		102	85-115			
Barium	0.482	0.010	0.0060	mg/l	0.500		96	85-115			
Beryllium	499	2.0	0.90	ug/l	500		100	85-115			
Boron	0.480	0.050	0.0080	mg/l	0.500		96	85-115			
Chromium	507	5.0	2.0	ug/l	500		101	85-115			
Cobalt	525	10	2.0	ug/l	500		105	85-115			
Iron	0.527	0.040	0.015	mg/l	0.500		105	85-115			
Manganese	512	20	7.0	ug/l	500		102	85-115			
Nickel	496	10	2.0	ug/l	500		99	85-115			
Vanadium	485	10	3.0	ug/l	500		97	85-115			
Zinc	488	20	15	ug/l	500		98	85-115			

Matrix Spike Analyzed: 10/30/2005 (5J28100-MS1)

Source: IOJ2020-02

Arsenic	529	5.0	4.4	ug/l	500	ND	106	70-130			
Barium	0.685	0.010	0.0060	mg/l	0.500	0.20	97	70-130			
Beryllium	518	2.0	0.90	ug/l	500	ND	104	70-130			
Boron	0.664	0.050	0.0080	mg/l	0.500	0.15	103	70-130			
Chromium	514	5.0	2.0	ug/l	500	3.8	102	70-130			
Cobalt	472	10	2.0	ug/l	500	ND	94	70-130			
Iron	1.91	0.040	0.015	mg/l	0.500	1.4	102	70-130			
Manganese	515	20	7.0	ug/l	500	19	99	70-130			
Nickel	469	10	2.0	ug/l	500	5.3	93	70-130			
Vanadium	518	10	3.0	ug/l	500	ND	104	70-130			
Zinc	484	20	15	ug/l	500	ND	97	70-130			

Matrix Spike Dup Analyzed: 10/29/2005 (5J28100-MSD1)

Source: IOJ2020-02

Arsenic	523	5.0	4.4	ug/l	500	ND	105	70-130	1	20	
Barium	0.656	0.010	0.0060	mg/l	0.500	0.20	91	70-130	4	20	
Beryllium	512	2.0	0.90	ug/l	500	ND	102	70-130	1	20	
Boron	0.648	0.050	0.0080	mg/l	0.500	0.15	100	70-130	2	20	
Chromium	505	5.0	2.0	ug/l	500	3.8	100	70-130	2	20	
Cobalt	481	10	2.0	ug/l	500	ND	96	70-130	2	20	
Iron	1.92	0.040	0.015	mg/l	0.500	1.4	104	70-130	1	20	
Manganese	551	20	7.0	ug/l	500	19	106	70-130	7	20	
Nickel	458	10	2.0	ug/l	500	5.3	91	70-130	2	20	
Vanadium	491	10	3.0	ug/l	500	ND	98	70-130	5	20	

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J28100 Extracted: 10/28/05											
Matrix Spike Dup Analyzed: 10/29/2005 (5J28100-MSD1)						Source: IOJ2020-02					
Zinc	515	20	15	ug/l	500	ND	103	70-130	6	20	
Batch: 5J28102 Extracted: 10/28/05											
Blank Analyzed: 10/28/2005 (5J28102-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 10/28/2005 (5J28102-BS1)											
Mercury	8.27	0.20	0.050	ug/l	8.00		103	85-115			
Matrix Spike Analyzed: 10/28/2005 (5J28102-MS1)						Source: IOJ1923-01					
Mercury	7.91	0.20	0.050	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 10/28/2005 (5J28102-MSD1)						Source: IOJ1923-01					
Mercury	7.89	0.20	0.050	ug/l	8.00	ND	99	70-130	0	20	
Batch: 5J31061 Extracted: 10/31/05											
Blank Analyzed: 10/31/2005 (5J31061-BLK1)											
Copper	ND	2.0	0.25	ug/l							
LCS Analyzed: 10/31/2005 (5J31061-BS1)											
Copper	84.2	2.0	0.25	ug/l	80.0		105	85-115			
Matrix Spike Analyzed: 10/31/2005 (5J31061-MS1)						Source: IOJ2122-01					
Copper	99.8	2.0	0.25	ug/l	80.0	26	92	70-130			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: 5J31061 Extracted: 10/31/05</u>											
Matrix Spike Analyzed: 11/01/2005 (5J31061-MS2)						Source: IOJ2156-01					
Copper	85.9	2.0	0.25	ug/l	80.0	11	94	70-130			
Matrix Spike Dup Analyzed: 10/31/2005 (5J31061-MSD1)						Source: IOJ2122-01					
Copper	98.4	2.0	0.25	ug/l	80.0	26	90	70-130	1	20	
<u>Batch: 5K01073 Extracted: 11/01/05</u>											
Blank Analyzed: 11/01/2005 (5K01073-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	2.0	0.90	ug/l							
Boron	ND	0.050	0.0080	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Cobalt	ND	10	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Vanadium	ND	10	3.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 11/01/2005 (5K01073-BS1)											
Arsenic	481	5.0	4.4	ug/l	500		96	85-115			
Barium	0.465	0.010	0.0060	mg/l	0.500		93	85-115			
Beryllium	481	2.0	0.90	ug/l	500		96	85-115			
Boron	0.436	0.050	0.0080	mg/l	0.500		87	85-115			
Chromium	482	5.0	2.0	ug/l	500		96	85-115			
Cobalt	449	10	2.0	ug/l	500		90	85-115			
Iron	0.491	0.040	0.015	mg/l	0.500		98	85-115			
Manganese	471	20	7.0	ug/l	500		94	85-115			
Nickel	468	10	2.0	ug/l	500		94	85-115			
Vanadium	494	10	3.0	ug/l	500		99	85-115			
Zinc	462	20	15	ug/l	500		92	85-115			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5K01073 Extracted: 11/01/05											
Matrix Spike Analyzed: 11/01/2005 (5K01073-MS1)						Source: IOJ1729-03					
Arsenic	483	5.0	4.4	ug/l	500	ND	97	70-130			
Barium	0.489	0.010	0.0060	mg/l	0.500	0.048	88	70-130			
Beryllium	469	2.0	0.90	ug/l	500	ND	94	70-130			
Boron	0.827	0.050	0.0080	mg/l	0.500	0.34	97	70-130			
Chromium	466	5.0	2.0	ug/l	500	5.6	92	70-130			
Cobalt	418	10	2.0	ug/l	500	ND	84	70-130			
Iron	0.463	0.040	0.015	mg/l	0.500	ND	93	70-130			
Manganese	485	20	7.0	ug/l	500	30	91	70-130			
Nickel	440	10	2.0	ug/l	500	ND	88	70-130			
Vanadium	490	10	3.0	ug/l	500	ND	98	70-130			
Zinc	453	20	15	ug/l	500	ND	91	70-130			
Matrix Spike Analyzed: 11/01/2005 (5K01073-MS2)						Source: IOJ2095-01					
Arsenic	477	5.0	4.4	ug/l	500	ND	95	70-130			
Barium	0.509	0.010	0.0060	mg/l	0.500	0.055	91	70-130			
Beryllium	481	2.0	0.90	ug/l	500	ND	96	70-130			
Boron	0.704	0.050	0.0080	mg/l	0.500	0.22	97	70-130			
Chromium	455	5.0	2.0	ug/l	500	ND	91	70-130			
Cobalt	428	10	2.0	ug/l	500	ND	86	70-130			
Iron	0.516	0.040	0.015	mg/l	0.500	0.040	95	70-130			
Manganese	468	20	7.0	ug/l	500	ND	94	70-130			
Nickel	438	10	2.0	ug/l	500	2.2	87	70-130			
Vanadium	496	10	3.0	ug/l	500	ND	99	70-130			
Zinc	443	20	15	ug/l	500	ND	89	70-130			
Matrix Spike Dup Analyzed: 11/01/2005 (5K01073-MSD1)						Source: IOJ1729-03					
Arsenic	493	5.0	4.4	ug/l	500	ND	99	70-130	2	20	
Barium	0.495	0.010	0.0060	mg/l	0.500	0.048	89	70-130	1	20	
Beryllium	484	2.0	0.90	ug/l	500	ND	97	70-130	3	20	
Boron	0.838	0.050	0.0080	mg/l	0.500	0.34	100	70-130	1	20	
Chromium	477	5.0	2.0	ug/l	500	5.6	94	70-130	2	20	
Cobalt	429	10	2.0	ug/l	500	ND	86	70-130	3	20	
Iron	0.474	0.040	0.015	mg/l	0.500	ND	95	70-130	2	20	
Manganese	495	20	7.0	ug/l	500	30	93	70-130	2	20	
Nickel	448	10	2.0	ug/l	500	ND	90	70-130	2	20	
Vanadium	502	10	3.0	ug/l	500	ND	100	70-130	2	20	

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Batch: 5K01073 Extracted: 11/01/05											
Matrix Spike Dup Analyzed: 11/01/2005 (5K01073-MSD1)						Source: IOJ1729-03					
Zinc	464	20	15	ug/l	500	ND	93	70-130	2	20	
Batch: 5K01076 Extracted: 11/01/05											
Blank Analyzed: 11/01/2005 (5K01076-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	ND	2.0	0.25	ug/l							
Lead	ND	1.0	0.040	ug/l							
Selenium	ND	2.0	0.30	ug/l							
Silver	ND	1.0	0.025	ug/l							
Thallium	ND	1.0	0.15	ug/l							
LCS Analyzed: 11/01/2005 (5K01076-BS1)											
Antimony	83.4	2.0	0.050	ug/l	80.0		104	85-115			
Cadmium	81.4	1.0	0.025	ug/l	80.0		102	85-115			
Copper	79.5	2.0	0.25	ug/l	80.0		99	85-115			
Lead	80.1	1.0	0.040	ug/l	80.0		100	85-115			
Selenium	80.2	2.0	0.30	ug/l	80.0		100	85-115			
Silver	78.0	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	79.6	1.0	0.15	ug/l	80.0		100	85-115			
Matrix Spike Analyzed: 11/01/2005 (5K01076-MS1)											
Antimony	84.8	2.0	0.050	ug/l	80.0	ND	106	70-130			
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.029	102	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	0.79	95	70-130			
Lead	81.9	1.0	0.040	ug/l	80.0	0.11	102	70-130			
Selenium	78.9	2.0	0.30	ug/l	80.0	0.52	98	70-130			
Silver	74.1	1.0	0.025	ug/l	80.0	0.044	93	70-130			
Thallium	80.6	1.0	0.15	ug/l	80.0	ND	101	70-130			

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Batch: 5K01076 Extracted: 11/01/05											
Matrix Spike Analyzed: 11/01/2005 (5K01076-MS2)						Source: IOK0049-02					
Antimony	84.0	2.0	0.050	ug/l	80.0	0.24	105	70-130			
Cadmium	79.0	1.0	0.025	ug/l	80.0	0.18	99	70-130			
Copper	77.3	2.0	0.25	ug/l	80.0	3.7	92	70-130			
Lead	76.1	1.0	0.040	ug/l	80.0	0.19	95	70-130			
Selenium	83.4	2.0	0.30	ug/l	80.0	3.1	100	70-130			
Silver	70.4	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	75.7	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 11/01/2005 (5K01076-MSD1)						Source: IOJ2155-01					
Antimony	84.5	2.0	0.050	ug/l	80.0	ND	106	70-130	0	20	
Cadmium	80.9	1.0	0.025	ug/l	80.0	0.029	101	70-130	1	20	
Copper	76.2	2.0	0.25	ug/l	80.0	0.79	94	70-130	1	20	
Lead	80.6	1.0	0.040	ug/l	80.0	0.11	101	70-130	2	20	
Selenium	77.4	2.0	0.30	ug/l	80.0	0.52	96	70-130	2	20	
Silver	74.0	1.0	0.025	ug/l	80.0	0.044	92	70-130	0	20	
Thallium	80.1	1.0	0.15	ug/l	80.0	ND	100	70-130	1	20	
Batch: 5K01081 Extracted: 11/01/05											
Blank Analyzed: 11/01/2005 (5K01081-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 11/01/2005 (5K01081-BS1)											
Mercury	8.62	0.20	0.050	ug/l	8.00		108	85-115			
Matrix Spike Analyzed: 11/01/2005 (5K01081-MS1)						Source: IOJ1985-03					
Mercury	8.52	0.20	0.050	ug/l	8.00	ND	106	70-130			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5K01081 Extracted: 11/01/05											
Matrix Spike Dup Analyzed: 11/01/2005 (5K01081-MSD1)						Source: IOJ1985-03					
Mercury	8.59	0.20	0.050	ug/l	8.00	ND	107	70-130	1	20	

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STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J20121 Extracted: 10/20/05											
Blank Analyzed: 10/20/2005 (5J20121-BLK1)											
Mercury	ND	0.0020	0.00050	mg/l							
LCS Analyzed: 10/20/2005 (5J20121-BS1)											
Mercury	0.0821	0.0020	0.00050	mg/l	0.0800		103	85-120			
Matrix Spike Analyzed: 10/20/2005 (5J20121-MS1)											
						Source: IOJ1230-01					
Mercury	0.0833	0.0020	0.00050	mg/l	0.0800	ND	104	65-135			
Matrix Spike Dup Analyzed: 10/20/2005 (5J20121-MSD1)											
						Source: IOJ1230-01					
Mercury	0.0850	0.0020	0.00050	mg/l	0.0800	ND	106	65-135	2	20	
Batch: 5J20126 Extracted: 10/20/05											
Blank Analyzed: 10/20/2005 (5J20126-BLK1)											
Antimony	ND	0.0020	0.000050	mg/l							
Cadmium	ND	0.0010	0.000025	mg/l							
Copper	ND	0.0020	0.00025	mg/l							
Lead	ND	0.0010	0.000040	mg/l							
Selenium	ND	0.0020	0.00030	mg/l							
Silver	ND	0.0010	0.000025	mg/l							
Thallium	ND	0.0010	0.00015	mg/l							
LCS Analyzed: 10/20/2005 (5J20126-BS1)											
Antimony	0.0811	0.0020	0.000050	mg/l	0.0800		101	80-120			
Cadmium	0.0811	0.0010	0.000025	mg/l	0.0800		101	80-120			
Copper	0.0779	0.0020	0.00025	mg/l	0.0800		97	80-120			
Lead	0.0788	0.0010	0.000040	mg/l	0.0800		98	80-120			
Selenium	0.0777	0.0020	0.00030	mg/l	0.0800		97	80-120			
Silver	0.0696	0.0010	0.000025	mg/l	0.0800		87	80-120			
Thallium	0.0788	0.0010	0.00015	mg/l	0.0800		98	80-120			

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STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J20126 Extracted: 10/20/05											
Matrix Spike Analyzed: 10/20/2005 (5J20126-MS1)						Source: IOJ1230-01					
Antimony	0.0798	0.0020	0.000050	mg/l	0.0800	0.0028	96	75-125			
Cadmium	0.0751	0.0010	0.000025	mg/l	0.0800	0.00056	93	75-125			
Copper	0.0886	0.0020	0.00025	mg/l	0.0800	0.021	85	75-125			
Lead	0.0899	0.0010	0.000040	mg/l	0.0800	0.012	97	75-125			
Selenium	0.0778	0.0020	0.00030	mg/l	0.0800	0.012	82	75-125			
Silver	0.0665	0.0010	0.000025	mg/l	0.0800	0.00022	83	75-125			
Thallium	0.0776	0.0010	0.00015	mg/l	0.0800	0.00016	97	75-125			

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Matrix Spike Dup Analyzed: 10/20/2005 (5J20126-MSD1)											
Source: IOJ1230-01											
Antimony	0.0803	0.0020	0.000050	mg/l	0.0800	0.0028	97	75-125	1	20	
Cadmium	0.0726	0.0010	0.000025	mg/l	0.0800	0.00056	90	75-125	3	20	
Copper	0.0866	0.0020	0.00025	mg/l	0.0800	0.021	82	75-125	2	20	
Lead	0.0879	0.0010	0.000040	mg/l	0.0800	0.012	95	75-125	2	20	
Selenium	0.0786	0.0020	0.00030	mg/l	0.0800	0.012	83	75-125	1	20	
Silver	0.0671	0.0010	0.000025	mg/l	0.0800	0.00022	84	75-125	1	20	
Thallium	0.0752	0.0010	0.00015	mg/l	0.0800	0.00016	94	75-125	3	20	

Batch: 5J21072 Extracted: 10/21/05

Analyte	Result	Reporting Limit	MDL	Units
Blank Analyzed: 10/21/2005 (5J21072-BLK1)				
Cobalt	ND	0.010	0.0020	mg/l
Arsenic	ND	0.0050	0.0044	mg/l
Barium	ND	0.010	0.0060	mg/l
Beryllium	ND	0.0040	0.00090	mg/l
Boron	ND	0.050	0.0080	mg/l
Chromium	ND	0.0050	0.0020	mg/l
Iron	ND	0.040	0.015	mg/l
Manganese	ND	0.020	0.0070	mg/l
Nickel	ND	0.010	0.0020	mg/l
Vanadium	ND	0.010	0.0030	mg/l
Zinc	ND	0.020	0.015	mg/l

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 Attention: Bill McIlvaine

 Project ID: Boeing SSFL-NPDES (sand)
 TAS#
 Report Number: IOJ1230

 Sampled: 10/18/05
 Received: 10/18/05

METHOD BLANK/QC DATA
STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J21072 Extracted: 10/21/05											
LCS Analyzed: 10/21/2005 (5J21072-BS1)											
Arsenic	0.856	0.0050	0.0044	mg/l	1.00		86	80-120			
Cobalt	0.919	0.010	0.0020	mg/l	1.00		92	80-120			
Barium	0.917	0.010	0.0060	mg/l	1.00		92	80-120			
Beryllium	0.931	0.0040	0.00090	mg/l	1.00		93	80-120			
Boron	0.907	0.050	0.0080	mg/l	1.00		91	80-120			
Chromium	0.905	0.0050	0.0020	mg/l	1.00		90	80-120			
Iron	0.917	0.040	0.015	mg/l	1.00		92	80-120			
Manganese	0.928	0.020	0.0070	mg/l	1.00		93	85-115			
Nickel	0.900	0.010	0.0020	mg/l	1.00		90	80-120			
Vanadium	0.894	0.010	0.0030	mg/l	1.00		89	80-120			
Zinc	0.924	0.020	0.015	mg/l	1.00		92	80-120			

Matrix Spike Analyzed: 10/21/2005 (5J21072-MS1)
Source: IOJ1230-01

Arsenic	0.980	0.0050	0.0044	mg/l	1.00	0.027	95	75-125			
Cobalt	0.972	0.010	0.0020	mg/l	1.00	0.0042	97	75-125			
Barium	1.39	0.010	0.0060	mg/l	1.00	0.51	88	75-125			
Beryllium	0.981	0.0040	0.00090	mg/l	1.00	0.0010	98	75-125			
Boron	1.01	0.050	0.0080	mg/l	1.00	0.011	100	75-125			
Chromium	0.975	0.0050	0.0020	mg/l	1.00	0.034	94	75-125			
Iron	16.3	0.040	0.015	mg/l	1.00	23	-670	75-125			M-HA
Manganese	1.12	0.020	0.0070	mg/l	1.00	0.19	93	70-130			
Nickel	0.948	0.010	0.0020	mg/l	1.00	0.0097	94	75-125			
Vanadium	1.06	0.010	0.0030	mg/l	1.00	0.13	93	75-125			
Zinc	1.00	0.020	0.015	mg/l	1.00	0.027	97	75-125			

Matrix Spike Dup Analyzed: 10/21/2005 (5J21072-MSD1)
Source: IOJ1230-01

Cobalt	0.947	0.010	0.0020	mg/l	1.00	0.0042	94	75-125	3	20	
Arsenic	0.965	0.0050	0.0044	mg/l	1.00	0.027	94	75-125	2	20	
Barium	1.37	0.010	0.0060	mg/l	1.00	0.51	86	75-125	1	20	
Beryllium	0.946	0.0040	0.00090	mg/l	1.00	0.0010	94	75-125	4	20	
Boron	0.994	0.050	0.0080	mg/l	1.00	0.011	98	75-125	2	20	
Chromium	0.952	0.0050	0.0020	mg/l	1.00	0.034	92	75-125	2	20	
Iron	15.1	0.040	0.015	mg/l	1.00	23	-790	75-125	8	20	M-HA
Manganese	1.10	0.020	0.0070	mg/l	1.00	0.19	91	70-130	2	20	
Nickel	0.924	0.010	0.0020	mg/l	1.00	0.0097	91	75-125	3	20	
Vanadium	1.04	0.010	0.0030	mg/l	1.00	0.13	91	75-125	2	20	

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Project ID: Boeing SSFL-NPDES (sand)
 TAS#
 Report Number: IOJ1230

Sampled: 10/18/05
 Received: 10/18/05

METHOD BLANK/QC DATA

STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5J21072 Extracted: 10/21/05

Matrix Spike Dup Analyzed: 10/21/2005 (5J21072-MSD1)

Source: IOJ1230-01

Zinc	0.974	0.020	0.015	mg/l	1.00	0.027	95	75-125	3	20	
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Batch: 5J25091 Extracted: 10/25/05

Blank Analyzed: 10/26/2005 (5J25091-BLK1)

Arsenic	ND	0.0050	0.0044	mg/l							
Cobalt	ND	0.010	0.0020	mg/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	0.0040	0.00090	mg/l							
Boron	ND	0.050	0.0080	mg/l							
Chromium	ND	0.0050	0.0020	mg/l							
Iron	ND	0.040	0.015	mg/l							
Manganese	ND	0.020	0.0070	mg/l							
Nickel	ND	0.010	0.0020	mg/l							
Vanadium	ND	0.010	0.0030	mg/l							
Zinc	ND	0.020	0.015	mg/l							

LCS Analyzed: 10/26/2005 (5J25091-BS1)

Cobalt	0.942	0.010	0.0020	mg/l	1.00		94	80-120			
Arsenic	0.960	0.0050	0.0044	mg/l	1.00		96	80-120			
Barium	0.999	0.010	0.0060	mg/l	1.00		100	80-120			
Beryllium	0.998	0.0040	0.00090	mg/l	1.00		100	80-120			
Boron	0.919	0.050	0.0080	mg/l	1.00		92	80-120			
Chromium	0.971	0.0050	0.0020	mg/l	1.00		97	80-120			
Iron	0.970	0.040	0.015	mg/l	1.00		97	80-120			
Manganese	0.970	0.020	0.0070	mg/l	1.00		97	85-115			
Nickel	0.972	0.010	0.0020	mg/l	1.00		97	80-120			
Vanadium	1.02	0.010	0.0030	mg/l	1.00		102	80-120			
Zinc	0.990	0.020	0.015	mg/l	1.00		99	80-120			

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 TAS#
 Report Number: IOJ1230

Sampled: 10/18/05
 Received: 10/18/05

METHOD BLANK/QC DATA

STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J25091 Extracted: 10/25/05											
Matrix Spike Analyzed: 10/26/2005 (5J25091-MS1)						Source: IOJ1230-01RE1					
Cobalt	0.957	0.010	0.0020	mg/l	1.00	ND	96	75-125			
Arsenic	0.977	0.0050	0.0044	mg/l	1.00	ND	98	75-125			
Barium	1.07	0.010	0.0060	mg/l	1.00	0.036	103	75-125			
Beryllium	1.01	0.0040	0.00090	mg/l	1.00	ND	101	75-125			
Boron	0.958	0.050	0.0080	mg/l	1.00	ND	96	75-125			
Chromium	0.988	0.0050	0.0020	mg/l	1.00	ND	99	75-125			
Iron	2.60	0.040	0.015	mg/l	1.00	0.84	176	75-125			MI
Manganese	1.02	0.020	0.0070	mg/l	1.00	0.021	100	70-130			
Nickel	0.990	0.010	0.0020	mg/l	1.00	ND	99	75-125			
Vanadium	1.06	0.010	0.0030	mg/l	1.00	0.013	105	75-125			
Zinc	1.03	0.020	0.015	mg/l	1.00	0.017	101	75-125			

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Matrix Spike Dup Analyzed: 10/26/2005 (5J25091-MSD1)											
Source: IOJ1230-01RE1											
Cobalt	0.954	0.010	0.0020	mg/l	1.00	ND	95	75-125	0	20	
Arsenic	0.973	0.0050	0.0044	mg/l	1.00	ND	97	75-125	0	20	
Barium	1.05	0.010	0.0060	mg/l	1.00	0.036	101	75-125	2	20	
Beryllium	1.02	0.0040	0.00090	mg/l	1.00	ND	102	75-125	1	20	
Boron	0.955	0.050	0.0080	mg/l	1.00	ND	96	75-125	0	20	
Chromium	0.985	0.0050	0.0020	mg/l	1.00	ND	98	75-125	0	20	
Iron	2.52	0.040	0.015	mg/l	1.00	0.84	168	75-125	3	20	MI
Manganese	1.02	0.020	0.0070	mg/l	1.00	0.021	100	70-130	0	20	
Nickel	0.990	0.010	0.0020	mg/l	1.00	ND	99	75-125	0	20	
Vanadium	1.06	0.010	0.0030	mg/l	1.00	0.013	105	75-125	0	20	
Zinc	1.04	0.020	0.015	mg/l	1.00	0.017	102	75-125	1	20	

Batch: 5J25092 Extracted: 10/25/05

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Blank Analyzed: 10/25/2005 (5J25092-BLK1)											
Antimony	ND	0.0020	0.000050	mg/l							
Cadmium	ND	0.0010	0.000025	mg/l							
Copper	ND	0.0020	0.00025	mg/l							
Lead	ND	0.0010	0.000040	mg/l							
Selenium	ND	0.0020	0.00030	mg/l							
Silver	0.000207	0.0010	0.000025	mg/l							J
Thallium	ND	0.0010	0.00015	mg/l							

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 TAS#
 Report Number: IOJ1230

Sampled: 10/18/05
 Received: 10/18/05

METHOD BLANK/QC DATA

STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J25092 Extracted: 10/25/05											
LCS Analyzed: 10/25/2005 (5J25092-BS1)											
Antimony	0.0821	0.0020	0.000050	mg/l	0.0800		103	80-120			
Cadmium	0.0847	0.0010	0.000025	mg/l	0.0800		106	80-120			
Copper	0.0833	0.0020	0.00025	mg/l	0.0800		104	80-120			
Lead	0.0850	0.0010	0.000040	mg/l	0.0800		106	80-120			
Selenium	0.0879	0.0020	0.00030	mg/l	0.0800		110	80-120			
Silver	0.0770	0.0010	0.000025	mg/l	0.0800		96	80-120			
Thallium	0.0835	0.0010	0.00015	mg/l	0.0800		104	80-120			
Matrix Spike Analyzed: 10/25/2005 (5J25092-MS1) Source: IOJ1230-01RE1											
Antimony	0.0845	0.0020	0.000050	mg/l	0.0800	0.00047	105	75-125			
Cadmium	0.0848	0.0010	0.000025	mg/l	0.0800	0.00010	106	75-125			
Copper	0.0869	0.0020	0.00025	mg/l	0.0800	0.0042	103	75-125			
Lead	0.0873	0.0010	0.000040	mg/l	0.0800	0.0017	107	75-125			
Selenium	0.0933	0.0020	0.00030	mg/l	0.0800	0.0054	110	75-125			
Silver	0.0688	0.0010	0.000025	mg/l	0.0800	0.00016	86	75-125			
Thallium	0.0847	0.0010	0.00015	mg/l	0.0800	ND	106	75-125			
Matrix Spike Dup Analyzed: 10/25/2005 (5J25092-MSD1) Source: IOJ1230-01RE1											
Antimony	0.0837	0.0020	0.000050	mg/l	0.0800	0.00047	104	75-125	1	20	
Cadmium	0.0856	0.0010	0.000025	mg/l	0.0800	0.00010	107	75-125	1	20	
Copper	0.0870	0.0020	0.00025	mg/l	0.0800	0.0042	104	75-125	0	20	
Lead	0.0853	0.0010	0.000040	mg/l	0.0800	0.0017	104	75-125	2	20	
Selenium	0.0933	0.0020	0.00030	mg/l	0.0800	0.0054	110	75-125	0	20	
Silver	0.0794	0.0010	0.000025	mg/l	0.0800	0.00016	99	75-125	14	20	
Thallium	0.0826	0.0010	0.00015	mg/l	0.0800	ND	103	75-125	3	20	

Batch: 5J26082 Extracted: 10/26/05

Blank Analyzed: 10/26/2005 (5J26082-BLK1)

Mercury	ND	0.0020	0.00050	mg/l							
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METHOD BLANK/QC DATA

STLC METALS (DI WET)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J26082 Extracted: 10/26/05											
LCS Analyzed: 10/26/2005 (5J26082-BS1)											
Mercury	0.0873	0.0020	0.00050	mg/l	0.0800		109	85-120			
Matrix Spike Analyzed: 10/26/2005 (5J26082-MS1)											
						Source: IOJ1230-01RE1					
Mercury	0.0932	0.0020	0.00050	mg/l	0.0800	ND	116	65-135			
Matrix Spike Dup Analyzed: 10/26/2005 (5J26082-MSD1)											
						Source: IOJ1230-01RE1					
Mercury	0.0868	0.0020	0.00050	mg/l	0.0800	ND	108	65-135	7	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5J18115 Extracted: 10/18/05										
Blank Analyzed: 10/18/2005 (5J18115-BLK1)										
Percent Solids	ND	0.10	N/A	%						
Duplicate Analyzed: 10/18/2005 (5J18115-DUP1)										
Percent Solids	22.4	0.10	N/A	%		Source: IOJ1225-01 23		3	20	

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TAS#
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Sampled: 10/18/05
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DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- 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 recovery was above the method control 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).
- M-HA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
6010B-DI WET	Soil	X	X
6010B-DI WET	Solid	X	X
6020B-DI WET	Soil	X	X
6020B-DI WET	Solid	X	X
6020-DI WET	Soil	X	X
6020-DI WET	Solid	X	X
6020-DIWET	Soil	X	X
6020-DIWET	Solid	X	X
7470A-DI WET	Soil	X	X
DI WET-Met	Solid	X	X
EPA 160.3 MOD	Sludge	N/A	N/A
EPA 200.7	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1	Water	X	X
EPA 6010B	Solid	X	X
EPA 6020-DI WET	Soil	N/A	X
EPA 6020-DI WET	Solid	N/A	X
EPA 6020	Soil	X	X
EPA 7471A	Soil	X	X

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

Del Mar Analytical, Irvine
 Michele Harper
 Project Manager



ADDITIONAL ANALYSIS REQUEST FORM

Today's Date: 10/19 Del Mar Analytical Project Manager: MH

Request via: telephone chain of custody form fax transmission E-mail other

Client: The Boeing Co - SSFL Contact: Bill Melluane

Project: Boeing SSFL - NPDES (ash)

Date Sampled: 10/18 Date Received: 10/18

Status: in progress completed received today received yesterday on hold other

**SAMPLE
NUMBER**

**SAMPLE
DESCRIPTION**

**ANALYSIS
REQUESTED**

**SPECIAL
REQUIREMENTS**

<u>10J1230-01</u>	<u>Sand Soil</u>	<u>DIWET - Sb, As, Ba, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Td, V, Zn</u>	
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Add-in to org workorder, due 10/20

TURNAROUND STATUS: Same Day 24hr 48hr 3days
 5days Standard No Rush Charge

