ATTACHMENT 4

FILTER DRUM INFLUENT AND EFFLUENT DATA
08/17/06 and 08/24/06

FILTER DRUM INFLUENT AND EFFLUENT DATA

08/17/06 and 08/24/06

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/30/06 17:31

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1937-01	PM-P-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water)									
Reporting Units: mg/l									
Calcium	EPA 200.7	6H24145	N/A	0.10	**58**	1	08/24/06	08/25/06	
Iron	EPA 200.7	6H28101	0.015	0.040	**0.090**	1	08/28/06	08/29/06	
Magnesium	EPA 200.7	6H24145	N/A	0.020	**15**	1	08/24/06	08/25/06	
Sample ID: IPH1937-01 (PM-P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.43**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**0.47**	1	08/25/06	08/26/06	J
Lead	EPA 200.8	6H25062	0.040	1.0	**0.12**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**130**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H18133	0.015	0.040	ND	1	08/18/06	08/20/06	
Sample ID: IPH1937-01 (PM-P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.45**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H18133	4.4	5.0	**5.0**	1	08/18/06	08/20/06	
Beryllium	EPA 200.7-Diss	6H18133	0.90	2.0	ND	1	08/18/06	08/20/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H18133	2.0	5.0	ND	1	08/18/06	08/20/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**1.6**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	**0.044**	1	08/25/06	08/25/06	J
Manganese	EPA 200.7-Diss	6H18133	7.0	20	ND	1	08/18/06	08/20/06	
Mercury	EPA 245.1-Diss	6H22092	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7-Diss	6H18133	2.0	10	**2.1**	1	08/18/06	08/20/06	J
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.40**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H18133	15	20	ND	1	08/18/06	08/20/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**0.99**	1	08/18/06	08/18/06	
Sample ID: IPH1937-01 (PM-P-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H29072	0.43	0.50	**2.0**	1	08/29/06	08/29/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**200**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**1.1**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**210**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	**0.13**	1	08/18/06	08/18/06	J
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	**0.21**	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Phosphate (PO4)	EPA 300.0	6H18044	N/A	0.50	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**89**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H24071	10	10	**390**	1	08/24/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H23157	0.50	1.0	**12**	1	08/23/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H21107	10	10	ND	1	08/21/06	08/21/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**2.9**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18122	N/A	NA	**7.81**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1937-01 (PM-P-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H24064	N/A	1.0	**650**	1	08/24/06	08/24/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PM-P-EFF (IPH1937-01) - Water					
EPA 150.1	1	08/17/2006 10:55	08/17/2006 19:20	08/18/2006 11:30	08/18/2006 12:05
EPA 180.1	2	08/17/2006 10:55	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 10:55	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 13:17
Filtration	1	08/17/2006 10:55	08/17/2006 19:20	08/18/2006 15:00	08/18/2006 15:00

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Calcium	ND	0.10	N/A	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Magnesium	ND	0.020	N/A	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18133 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18133-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/20/2006 (6H18133-BS1)											
Arsenic	973	5.0	4.4	ug/l	1000		97	85-115			
Beryllium	971	2.0	0.90	ug/l	1000		97	85-115			
Chromium	955	5.0	2.0	ug/l	1000		96	85-115			
Iron	0.964	0.040	0.015	mg/l	1.00		96	85-115			
Manganese	972	20	7.0	ug/l	1000		97	85-115			
Nickel	958	10	2.0	ug/l	1000		96	85-115			
Zinc	983	20	15	ug/l	1000		98	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18133-MS1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130			
Beryllium	991	2.0	0.90	ug/l	1000	ND	99	70-130			
Chromium	976	5.0	2.0	ug/l	1000	ND	98	70-130			
Iron	0.975	0.040	0.015	mg/l	1.00	ND	98	70-130			
Manganese	990	20	7.0	ug/l	1000	ND	99	70-130			
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18133-MSD1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	0	20	
Beryllium	999	2.0	0.90	ug/l	1000	ND	100	70-130	1	20	
Chromium	975	5.0	2.0	ug/l	1000	ND	98	70-130	0	20	
Iron	0.976	0.040	0.015	mg/l	1.00	ND	98	70-130	0	20	
Manganese	980	20	7.0	ug/l	1000	ND	98	70-130	1	20	
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130	0	20	
Zinc	1020	20	15	ug/l	1000	ND	102	70-130	0	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22092 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22092-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22092-BS1)											
Mercury	7.39	0.20	0.15	ug/l	8.00		92	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22092-MS1)						**Source: IPH2200-01**					
Mercury	6.47	0.20	0.15	ug/l	8.00	ND	81	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22092-MSD1)						**Source: IPH2200-01**					
Mercury	6.43	0.20	0.15	ug/l	8.00	ND	80	70-130	1	20	
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Phosphate (PO4)	ND	0.50	N/A	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Phosphate (PO4)	5.08	0.50	N/A	mg/l	5.00		102	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Phosphate (PO4)	5.24	2.5	N/A	mg/l	5.00	ND	105	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Phosphate (PO4)	5.36	2.5	N/A	mg/l	5.00	ND	107	80-120	2	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP1)						**Source: IPH1901-01**					
pH	7.33	NA	N/A	pH Units		7.31			0	5	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP2)						**Source: IPH1943-04**					
pH	7.79	NA	N/A	pH Units		7.71			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21052 Extracted: 08/21/06											
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H21107 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21107-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/21/2006 (6H21107-BS1)											
Total Suspended Solids	973	10	10	mg/l	1000		97	85-115			
Duplicate Analyzed: 08/21/2006 (6H21107-DUP1)						**Source: IPH1719-01**					
Total Suspended Solids	432	10	10	mg/l		460			6	10	
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23157 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23157-BLK1)											
Total Organic Carbon	ND	1.0	0.25	mg/l							
LCS Analyzed: 08/23/2006 (6H23157-BS1)											
Total Organic Carbon	10.6	1.0	0.25	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/23/2006 (6H23157-MS1)						**Source: IPH1886-03**					
Total Organic Carbon	12.1	1.0	0.25	mg/l	5.00	7.1	100	80-120			
Matrix Spike Dup Analyzed: 08/23/2006 (6H23157-MSD1)						**Source: IPH1886-03**					
Total Organic Carbon	12.2	1.0	0.25	mg/l	5.00	7.1	102	80-120	1	20	
Batch: 6H24064 Extracted: 08/24/06											
Duplicate Analyzed: 08/24/2006 (6H24064-DUP1)						**Source: IPH2522-01**					
Specific Conductance	561	1.0	N/A	umhos/cm		560			0	5	
Batch: 6H24071 Extracted: 08/24/06											
Blank Analyzed: 08/24/2006 (6H24071-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H24071-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H24071-DUP1)						**Source: IPH1943-01**					
Total Dissolved Solids	322	10	10	mg/l		320			1	10	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						Source: IPH2676-01					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H29072 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29072-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/29/2006 (6H29072-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
Matrix Spike Analyzed: 08/29/2006 (6H29072-MS1)						Source: IPH1930-01					
Total Kjeldahl Nitrogen	11.8	0.50	0.43	mg/l	10.0	1.4	104	85-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29072-MSD1)						Source: IPH1930-01					
Total Kjeldahl Nitrogen	11.5	0.50	0.43	mg/l	10.0	1.4	101	85-120	3	15	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

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

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1937

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

+PH1931

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BRIAN	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N), Phosphate	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	Comments
PM-P-EFF	W	Poly-1L	1	8-17-06 10:55	HNO3	1	X									
PM-P-EFF	W	Poly-1L	1		None	2		X								
PM-P-EFF	W	VOAs	2		HCl	3A, 3B			X							
PM-P-EFF	W	1L Amber	2		HCl	4A, 4B				X						
PM-P-EFF	W	Poly-500 ml	1		H2SO4	5					X					
PM-P-EFF	W	Poly-500 ml	1		None	6						X				48 hr turnaround time on Phosphate
PM-P-EFF	W	Poly-500 ml	2		None	7A, 7B							X			
PM-P-EFF	W	Poly-500 ml	1		H2SO4	8								X		
PM-P-EFF	W	Poly-1L	1	8-17-06 10:55	None	9									X	

ANALYSIS REQUIRED

Field readings:
Temp = 73
pH= 7.1

Relinquished By	Date/Time:	Received By	Date/Time:
	8-17-06 1530	TAI	8/17/06 1530
Relinquished By	Date/Time:	Received By	Date/Time:
TAI	8/17/06 1920		8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: C°

PM2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 17:18

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 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	CLIENT ID	MATRIX
IPH1923-01	BST-DUP-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.29**	1	08/28/06	08/29/06	
Sample ID: IPH1923-01 (BST-DUP-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.56**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**1.9**	1	08/25/06	08/26/06	B, J
Lead	EPA 200.8	6H25062	0.040	1.0	**0.46**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**57**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	**0.062**	1	08/25/06	08/26/06	J
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H22114	0.015	0.040	ND	1	08/22/06	08/24/06	
Sample ID: IPH1923-01 (BST-DUP-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.51**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H22114	4.4	5.0	ND	1	08/22/06	08/24/06	
Beryllium	EPA 200.7-Diss	6H22114	0.90	2.0	ND	1	08/22/06	08/24/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	**0.026**	1	08/25/06	08/25/06	J
Chromium	EPA 200.7-Diss	6H22114	2.0	5.0	ND	1	08/22/06	08/24/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**0.77**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	ND	1	08/25/06	08/25/06	
Manganese	EPA 200.7-Diss	6H22114	7.0	20	ND	1	08/22/06	08/24/06	
Mercury	EPA 245.1-Diss	6H23076	0.15	0.20	ND	1	08/23/06	08/23/06	
Nickel	EPA 200.7-Diss	6H22114	2.0	10	ND	1	08/22/06	08/24/06	
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.38**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	**0.026**	1	08/25/06	08/25/06	J
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H22114	15	20	ND	1	08/22/06	08/24/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1923-01 (BST-DUP-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	**10**	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H28105	0.43	0.50	**4.5**	1	08/28/06	08/28/06	
Alkalinity as CaCO3	EPA 310.1	6H25115	2.0	2.0	**190**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**0.84**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**210**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	**0.94**	1	08/21/06	08/21/06	J
Phosphate (PO4)	EPA 300.0	6H18044	N/A	0.50	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**89**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H23081	10	10	**360**	1	08/23/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H22137	0.50	1.0	**12**	1	08/22/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	**10**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**5.0**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**7.97**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1923-01 (BST-DUP-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H23082	N/A	1.0	**620**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: BST-DUP-EFF (IPH1923-01) - Water					
EPA 150.1	1	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 14:11
Filtration	1	08/17/2006 11:05	08/17/2006 19:20	08/22/2006 15:11	08/22/2006 15:11

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22114 Extracted: 08/22/06											
Blank Analyzed: 08/24/2006 (6H22114-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/24/2006 (6H22114-BS1)											
Arsenic	1060	5.0	4.4	ug/l	1000		106	85-115			
Beryllium	1040	2.0	0.90	ug/l	1000		104	85-115			
Chromium	1060	5.0	2.0	ug/l	1000		106	85-115			
Iron	1.07	0.040	0.015	mg/l	1.00		107	85-115			
Manganese	1070	20	7.0	ug/l	1000		107	85-115			
Nickel	1060	10	2.0	ug/l	1000		106	85-115			
Zinc	1050	20	15	ug/l	1000		105	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H22114-MS1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130			
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130			
Chromium	1010	5.0	2.0	ug/l	1000	ND	101	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	1030	20	7.0	ug/l	1000	ND	103	70-130			
Nickel	1010	10	2.0	ug/l	1000	ND	101	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H22114-MSD1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130	0	20	
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130	0	20	
Chromium	1040	5.0	2.0	ug/l	1000	ND	104	70-130	3	20	
Iron	1.04	0.040	0.015	mg/l	1.00	ND	104	70-130	3	20	
Manganese	1020	20	7.0	ug/l	1000	ND	102	70-130	1	20	
Nickel	1030	10	2.0	ug/l	1000	ND	103	70-130	2	20	
Zinc	1050	20	15	ug/l	1000	ND	105	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23076 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23076-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/23/2006 (6H23076-BS1)											
Mercury	7.58	0.20	0.15	ug/l	8.00		95	85-115			
Matrix Spike Analyzed: 08/23/2006 (6H23076-MS1)						**Source: IPH2359-01**					
Mercury	5.23	0.20	0.15	ug/l	8.00	ND	65	70-130			*M2*
Matrix Spike Dup Analyzed: 08/23/2006 (6H23076-MSD1)						**Source: IPH2359-01**					
Mercury	5.30	0.20	0.15	ug/l	8.00	ND	66	70-130	1	20	*M2*
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Phosphate (PO4)	ND	0.50	N/A	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Phosphate (PO4)	5.08	0.50	N/A	mg/l	5.00		102	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Phosphate (PO4)	5.24	2.5	N/A	mg/l	5.00	ND	105	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Phosphate (PO4)	5.36	2.5	N/A	mg/l	5.00	ND	107	80-120	2	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21052 Extracted: 08/21/06											
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22137 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22137-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/22/2006 (6H22137-BS1)											
Total Organic Carbon	10.6	1.0	0.50	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/22/2006 (6H22137-MS1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	62.4	10	5.0	mg/l	5.00	62	8	80-120			*M-HA*
Matrix Spike Dup Analyzed: 08/22/2006 (6H22137-MSD1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	64.2	10	5.0	mg/l	5.00	62	44	80-120	3	20	*M-HA*
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22156 Extracted: 08/22/06											
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23081 Extracted: 08/23/06											
Blank Analyzed: 08/24/2006 (6H23081-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H23081-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H23081-DUP1)						**Source: IPH2274-01**					
Total Dissolved Solids	3640	10	10	mg/l		3600			1	10	
Batch: 6H23082 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23082-DUP1)						**Source: IPH1962-01**					
Specific Conductance	2970	1.0	N/A	umhos/cm		3000			1	5	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23124 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6H25115 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25115-DUP1)						**Source: IPH1765-01**					
Alkalinity as CaCO3	98.0	2.0	2.0	mg/l		100			2	20	
Reference Analyzed: 08/25/2006 (6H25115-SRM1)											
Alkalinity as CaCO3	230	2.0	2.0	mg/l	231		100	90-110			
Batch: 6H28105 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28105-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/28/2006 (6H28105-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/28/2006 (6H28105-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28105 Extracted: 08/28/06											
Matrix Spike Analyzed: 08/28/2006 (6H28105-MS1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	11.2	0.50	0.43	mg/l	10.0	ND	112	85-120			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28105-MSD1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	ND	109	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

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.
M2	The MS and/or MSD were below 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).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1923

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

LPH1923

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BKELLY	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Same Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N), Phosphate	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Field readings: Temp = 7.3 pH= 7.5 Comment
BST-DUP-EFF	W	Poly-1L	1	8-17-06 11:05	HNO3	1	X														
BST-DUP-EFF	W	Poly-1L	1		None	2		X													
BST-DUP-EFF	W	VOAs	2		HCl	3A, 3B			X												
BST-DUP-EFF	W	1L Amber	2		HCl	4A, 4B				X											
BST-DUP-EFF	W	Poly-500 ml	1		H2SO4	5					X										
BST-DUP-EFF	W	Poly-500 ml	1		None	6						X									
BST-DUP-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
BST-DUP-EFF	W	Poly-500 ml	1		H2SO4	8								X							
BST-DUP-EFF	W	Poly-1L	1	8-17-06 11:05	None	9									X						

ANALYSIS REQUIRED

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 8-17-06	1550	[signature] TAI	8/17/06 1550
[signature] TAI	8/17/06 1920	[signature]	8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity: (Check)
Intact X On Ice: 5°C

DW240

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 17:07

NELAP #01108CA California ELAP#1197 CSDLAC #10117

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 5°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:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Enclosed are complete final results.

LABORATORY ID	CLIENT ID	MATRIX
IPH1924-01	BST-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.26**	1	08/28/06	08/29/06	
Sample ID: IPH1924-01 (BST-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.50**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	**0.030**	1	08/25/06	08/26/06	J
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**4.4**	1	08/25/06	08/26/06	
Lead	EPA 200.8	6H25062	0.040	1.0	**0.53**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**55**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	**0.30**	1	08/25/06	08/26/06	J
Silver	EPA 200.8	6H25062	0.025	1.0	**0.10**	1	08/25/06	08/26/06	J
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H22114	0.015	0.040	ND	1	08/22/06	08/25/06	
Sample ID: IPH1924-01 (BST-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.49**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H22114	4.4	5.0	ND	1	08/22/06	08/25/06	
Beryllium	EPA 200.7-Diss	6H22114	0.90	2.0	ND	1	08/22/06	08/25/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H22114	2.0	5.0	ND	1	08/22/06	08/25/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**1.2**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	ND	1	08/25/06	08/25/06	
Manganese	EPA 200.7-Diss	6H22114	7.0	20	ND	1	08/22/06	08/25/06	
Mercury	EPA 245.1-Diss	6H23076	0.15	0.20	ND	1	08/23/06	08/23/06	
Nickel	EPA 200.7-Diss	6H22114	2.0	10	ND	1	08/22/06	08/25/06	
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.41**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H22114	15	20	ND	1	08/22/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**0.99**	1	08/18/06	08/18/06	
Sample ID: IPH1924-01 (BST-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H28105	0.43	0.50	**4.5**	1	08/28/06	08/28/06	
Alkalinity as CaCO3	EPA 310.1	6H25115	2.0	2.0	**190**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**0.56**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**210**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Phosphate (PO4)	EPA 300.0	6H18044	N/A	0.50	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**91**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H23081	10	10	**340**	1	08/23/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H22137	0.50	1.0	**14**	1	08/22/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	ND	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**5.3**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**7.93**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1924-01 (BST-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H23082	N/A	1.0	**610**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: BST-EFF (IPH1924-01) - Water					
EPA 150.1	1	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:05	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 10:48
Filtration	1	08/17/2006 11:05	08/17/2006 19:20	08/22/2006 15:11	08/22/2006 15:11

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22114 Extracted: 08/22/06											
Blank Analyzed: 08/24/2006 (6H22114-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/24/2006 (6H22114-BS1)											
Arsenic	1060	5.0	4.4	ug/l	1000		106	85-115			
Beryllium	1040	2.0	0.90	ug/l	1000		104	85-115			
Chromium	1060	5.0	2.0	ug/l	1000		106	85-115			
Iron	1.07	0.040	0.015	mg/l	1.00		107	85-115			
Manganese	1070	20	7.0	ug/l	1000		107	85-115			
Nickel	1060	10	2.0	ug/l	1000		106	85-115			
Zinc	1050	20	15	ug/l	1000		105	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H22114-MS1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130			
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130			
Chromium	1010	5.0	2.0	ug/l	1000	ND	101	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	1030	20	7.0	ug/l	1000	ND	103	70-130			
Nickel	1010	10	2.0	ug/l	1000	ND	101	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H22114-MSD1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130	0	20	
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130	0	20	
Chromium	1040	5.0	2.0	ug/l	1000	ND	104	70-130	3	20	
Iron	1.04	0.040	0.015	mg/l	1.00	ND	104	70-130	3	20	
Manganese	1020	20	7.0	ug/l	1000	ND	102	70-130	1	20	
Nickel	1030	10	2.0	ug/l	1000	ND	103	70-130	2	20	
Zinc	1050	20	15	ug/l	1000	ND	105	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23076 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23076-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/23/2006 (6H23076-BS1)											
Mercury	7.58	0.20	0.15	ug/l	8.00		95	85-115			
Matrix Spike Analyzed: 08/23/2006 (6H23076-MS1)						**Source: IPH2359-01**					
Mercury	5.23	0.20	0.15	ug/l	8.00	ND	65	70-130			*M2*
Matrix Spike Dup Analyzed: 08/23/2006 (6H23076-MSD1)						**Source: IPH2359-01**					
Mercury	5.30	0.20	0.15	ug/l	8.00	ND	66	70-130	1	20	*M2*
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Phosphate (PO4)	ND	0.50	N/A	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Phosphate (PO4)	5.08	0.50	N/A	mg/l	5.00		102	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Phosphate (PO4)	5.24	2.5	N/A	mg/l	5.00	ND	105	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Phosphate (PO4)	5.36	2.5	N/A	mg/l	5.00	ND	107	80-120	2	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21052 Extracted: 08/21/06											
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22137 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22137-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/22/2006 (6H22137-BS1)											
Total Organic Carbon	10.6	1.0	0.50	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/22/2006 (6H22137-MS1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	62.4	10	5.0	mg/l	5.00	62	8	80-120			*M-HA*
Matrix Spike Dup Analyzed: 08/22/2006 (6H22137-MSD1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	64.2	10	5.0	mg/l	5.00	62	44	80-120	3	20	*M-HA*
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22156 Extracted: 08/22/06											
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23081 Extracted: 08/23/06											
Blank Analyzed: 08/24/2006 (6H23081-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H23081-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H23081-DUP1)						**Source: IPH2274-01**					
Total Dissolved Solids	3640	10	10	mg/l		3600			1	10	
Batch: 6H23082 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23082-DUP1)						**Source: IPH1962-01**					
Specific Conductance	2970	1.0	N/A	umhos/cm		3000			1	5	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23124 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6H25115 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25115-DUP1)						**Source: IPH1765-01**					
Alkalinity as CaCO3	98.0	2.0	2.0	mg/l		100			2	20	
Reference Analyzed: 08/25/2006 (6H25115-SRM1)											
Alkalinity as CaCO3	230	2.0	2.0	mg/l	231		100	90-110			
Batch: 6H28105 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28105-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/28/2006 (6H28105-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/28/2006 (6H28105-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28105 Extracted: 08/28/06											
Matrix Spike Analyzed: 08/28/2006 (6H28105-MS1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	11.2	0.50	0.43	mg/l	10.0	ND	112	85-120			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28105-MSD1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	ND	109	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below 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).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1924

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

HPH1924

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: Bronwyn Gatt	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N), Phosphate	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Field readings: Temp = 72 pH= 7.5 **Comments**
BST-EFF	W	Poly-1L	1	8-17-06 11:05	HNO3	1	X														
BST-EFF	W	Poly-1L	1		None	2		X													
BST-EFF	W	VOAs	2		HCl	3A, 3B			X												
BST-EFF	W	1L Amber	2		HCl	4A, 4B				X											
BST-EFF	W	Poly-500 ml	1		H2SO4	5					X										
BST-EFF	W	Poly-500 ml	1		None	6						X									48 hr turnaround time on Phosphate
BST-EFF	W	Poly-500 ml	1		None	7A, 7B							X								
BST-EFF	W	Poly-500 ml	1		H2SO4	8								X							
BST-EFF	W	Poly-1L	1	8-17-06 11:05	None	9									X						

Relinquished By	Date/Time:	Received By	Date/Time:
9-17-06	1530	TAI	8/17/06 1530
TAI 8/17/06	1920		8/17/06 1920

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity - (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 17:00

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1926-01	Z-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.19**	1	08/28/06	08/29/06	
Sample ID: IPH1926-01 (Z-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.50**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**0.80**	1	08/25/06	08/26/06	J, B
Lead	EPA 200.8	6H25062	0.040	1.0	**0.27**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**47**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	**0.36**	1	08/25/06	08/26/06	J
Silver	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H18133	0.015	0.040	ND	1	08/18/06	08/20/06	
Sample ID: IPH1926-01 (Z-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.55**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H18133	4.4	5.0	ND	1	08/18/06	08/20/06	
Beryllium	EPA 200.7-Diss	6H18133	0.90	2.0	ND	1	08/18/06	08/20/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H18133	2.0	5.0	ND	1	08/18/06	08/20/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**0.75**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	**0.045**	1	08/25/06	08/25/06	B, J
Manganese	EPA 200.7-Diss	6H18133	7.0	20	ND	1	08/18/06	08/20/06	
Mercury	EPA 245.1-Diss	6H22092	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7-Diss	6H18133	2.0	10	**2.1**	1	08/18/06	08/20/06	J
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.36**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	**0.18**	1	08/25/06	08/25/06	J
Zinc	EPA 200.7-Diss	6H18133	15	20	ND	1	08/18/06	08/20/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**0.99**	1	08/18/06	08/18/06	
Sample ID: IPH1926-01 (Z-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H28105	0.43	0.50	**2.0**	1	08/28/06	08/28/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**190**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**1.1**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**200**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**92**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H23081	10	10	**370**	1	08/23/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H22137	0.50	1.0	**13**	1	08/22/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	ND	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**4.6**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**8.22**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1926-01 (Z-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H23082	N/A	1.0	**640**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Z-EFF (IPH1926-01) - Water					
EPA 150.1	1	08/17/2006 10:40	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 10:40	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 10:40	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 14:43
Filtration	1	08/17/2006 10:40	08/17/2006 19:20	08/18/2006 15:00	08/18/2006 15:00

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18133 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18133-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/20/2006 (6H18133-BS1)											
Arsenic	973	5.0	4.4	ug/l	1000		97	85-115			
Beryllium	971	2.0	0.90	ug/l	1000		97	85-115			
Chromium	955	5.0	2.0	ug/l	1000		96	85-115			
Iron	0.964	0.040	0.015	mg/l	1.00		96	85-115			
Manganese	972	20	7.0	ug/l	1000		97	85-115			
Nickel	958	10	2.0	ug/l	1000		96	85-115			
Zinc	983	20	15	ug/l	1000		98	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18133-MS1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130			
Beryllium	991	2.0	0.90	ug/l	1000	ND	99	70-130			
Chromium	976	5.0	2.0	ug/l	1000	ND	98	70-130			
Iron	0.975	0.040	0.015	mg/l	1.00	ND	98	70-130			
Manganese	990	20	7.0	ug/l	1000	ND	99	70-130			
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18133-MSD1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	0	20	
Beryllium	999	2.0	0.90	ug/l	1000	ND	100	70-130	1	20	
Chromium	975	5.0	2.0	ug/l	1000	ND	98	70-130	0	20	
Iron	0.976	0.040	0.015	mg/l	1.00	ND	98	70-130	0	20	
Manganese	980	20	7.0	ug/l	1000	ND	98	70-130	1	20	
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130	0	20	
Zinc	1020	20	15	ug/l	1000	ND	102	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22092 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22092-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22092-BS1)											
Mercury	7.39	0.20	0.15	ug/l	8.00		92	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22092-MS1)						**Source: IPH2200-01**					
Mercury	6.47	0.20	0.15	ug/l	8.00	ND	81	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22092-MSD1)						**Source: IPH2200-01**					
Mercury	6.43	0.20	0.15	ug/l	8.00	ND	80	70-130	1	20	
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22137 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22137-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22137 Extracted: 08/22/06											
LCS Analyzed: 08/22/2006 (6H22137-BS1)											
Total Organic Carbon	10.6	1.0	0.50	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/22/2006 (6H22137-MS1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	62.4	10	5.0	mg/l	5.00	62	8	80-120			*M-HA*
Matrix Spike Dup Analyzed: 08/22/2006 (6H22137-MSD1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	64.2	10	5.0	mg/l	5.00	62	44	80-120	3	20	*M-HA*
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23081 Extracted: 08/23/06											
Blank Analyzed: 08/24/2006 (6H23081-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23081 Extracted: 08/23/06											
LCS Analyzed: 08/24/2006 (6H23081-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H23081-DUP1)						**Source: IPH2274-01**					
Total Dissolved Solids	3640	10	10	mg/l		3600			1	10	
Batch: 6H23082 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23082-DUP1)						**Source: IPH1962-01**					
Specific Conductance	2970	1.0	N/A	umhos/cm		3000			1	5	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						**Source: IPH2676-01**					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H28105 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28105-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/28/2006 (6H28105-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/28/2006 (6H28105-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/28/2006 (6H28105-MS1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	11.2	0.50	0.43	mg/l	10.0	ND	112	85-120			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28105-MSD1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	ND	109	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

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.
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).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1926

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

EPH1926

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:
MWH-Pasadena
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101

Project:
Boeing-SSFL BMP/NPDES
R-2A Pond Filtration Pilot Test

Project Manager: Bronwyn Kelly

Sampler: DAMCA

Phone Number:
(626) 568-6691
Fax Number:
(626) 568-6515

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						
Z-EFF	W	Poly-1L	1	8-17-06	HNO3	1	X													
Z-EFF	W	Poly-1L	1	10:40	None	2		X												
Z-EFF	W	VOAs	2		HCl	3A, 3B			X											
Z-EFF	W	1L Amber	2		HCl	4A, 4B				X										
Z-EFF	W	Poly-500 ml	1		H2SO4	5					X									
Z-EFF	W	Poly-500 ml	1		None	6						X								
Z-EFF	W	Poly-500 ml	2		None	7A, 7B							X							
Z-EFF	W	Poly-500 ml	1		H2SO4	8								X						
Z-EFF	W	Poly-1L	1	8-17-06 10:40	None	9									X					

Field readings:
Temp = 73°
pH= 7.6

Comments

Relinquished By	Date/Time:	Received By	Date/Time:
8-17-06	1530	TAE	8/17/06 1530
TAE	8/17/06 1920		8/17/06 1920

Turn around Time: (check)
24 Hours ____ 5 Days ____
48 Hours ____ 10 Days ____
72 Hours ____ Normal X

Perchlorate Only 72 Hours____

Metals Only 72 Hours____

Sample Integrity: (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 16:48

NELAP #01108CA California ELAP#1197 CSDLAC #10117

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 5°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:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Enclosed are complete final results.

LABORATORY ID	CLIENT ID	MATRIX
IPH1927-01	LC-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.056**	1	08/28/06	08/29/06	
Sample ID: IPH1927-01 (LC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.54**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	**0.037**	1	08/25/06	08/26/06	J
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**4.1**	1	08/25/06	08/26/06	
Lead	EPA 200.8	6H25062	0.040	1.0	**0.42**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**20**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H18133	0.015	0.040	ND	1	08/18/06	08/20/06	
Sample ID: IPH1927-01 (LC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.54**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H18133	4.4	5.0	**4.6**	1	08/18/06	08/20/06	J
Beryllium	EPA 200.7-Diss	6H18133	0.90	2.0	ND	1	08/18/06	08/20/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H18133	2.0	5.0	ND	1	08/18/06	08/20/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**1.5**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	**0.048**	1	08/25/06	08/25/06	B, J
Manganese	EPA 200.7-Diss	6H18133	7.0	20	ND	1	08/18/06	08/20/06	
Mercury	EPA 245.1-Diss	6H22092	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7-Diss	6H18133	2.0	10	ND	1	08/18/06	08/20/06	
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	ND	1	08/25/06	08/25/06	
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H18133	15	20	ND	1	08/18/06	08/20/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1927-01 (LC-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H29072	0.43	0.50	**2.5**	1	08/29/06	08/29/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**180**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**2.0**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**200**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Phosphate (PO4)	EPA 300.0	6H18044	N/A	0.50	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**91**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H23081	10	10	**360**	1	08/23/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H22137	0.50	1.0	**12**	1	08/22/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	ND	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**4.4**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**7.91**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1927-01 (LC-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H23082	N/A	1.0	**620**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: LC-EFF (IPH1927-01) - Water					
EPA 150.1	1	08/17/2006 11:55	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 11:55	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:55	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 11:05
Filtration	1	08/17/2006 11:55	08/17/2006 19:20	08/18/2006 15:00	08/18/2006 15:00

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18133 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18133-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/20/2006 (6H18133-BS1)											
Arsenic	973	5.0	4.4	ug/l	1000		97	85-115			
Beryllium	971	2.0	0.90	ug/l	1000		97	85-115			
Chromium	955	5.0	2.0	ug/l	1000		96	85-115			
Iron	0.964	0.040	0.015	mg/l	1.00		96	85-115			
Manganese	972	20	7.0	ug/l	1000		97	85-115			
Nickel	958	10	2.0	ug/l	1000		96	85-115			
Zinc	983	20	15	ug/l	1000		98	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18133-MS1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130			
Beryllium	991	2.0	0.90	ug/l	1000	ND	99	70-130			
Chromium	976	5.0	2.0	ug/l	1000	ND	98	70-130			
Iron	0.975	0.040	0.015	mg/l	1.00	ND	98	70-130			
Manganese	990	20	7.0	ug/l	1000	ND	99	70-130			
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18133-MSD1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	0	20	
Beryllium	999	2.0	0.90	ug/l	1000	ND	100	70-130	1	20	
Chromium	975	5.0	2.0	ug/l	1000	ND	98	70-130	0	20	
Iron	0.976	0.040	0.015	mg/l	1.00	ND	98	70-130	0	20	
Manganese	980	20	7.0	ug/l	1000	ND	98	70-130	1	20	
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130	0	20	
Zinc	1020	20	15	ug/l	1000	ND	102	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22092 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22092-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22092-BS1)											
Mercury	7.39	0.20	0.15	ug/l	8.00		92	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22092-MS1)						**Source: IPH2200-01**					
Mercury	6.47	0.20	0.15	ug/l	8.00	ND	81	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22092-MSD1)						**Source: IPH2200-01**					
Mercury	6.43	0.20	0.15	ug/l	8.00	ND	80	70-130	1	20	
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Phosphate (PO4)	ND	0.50	N/A	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Phosphate (PO4)	5.08	0.50	N/A	mg/l	5.00		102	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Phosphate (PO4)	5.24	2.5	N/A	mg/l	5.00	ND	105	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Phosphate (PO4)	5.36	2.5	N/A	mg/l	5.00	ND	107	80-120	2	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21052 Extracted: 08/21/06											
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22137 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22137-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/22/2006 (6H22137-BS1)											
Total Organic Carbon	10.6	1.0	0.50	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/22/2006 (6H22137-MS1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	62.4	10	5.0	mg/l	5.00	62	8	80-120			*M-HA*
Matrix Spike Dup Analyzed: 08/22/2006 (6H22137-MSD1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	64.2	10	5.0	mg/l	5.00	62	44	80-120	3	20	*M-HA*
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22156 Extracted: 08/22/06											
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23081 Extracted: 08/23/06											
Blank Analyzed: 08/24/2006 (6H23081-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H23081-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H23081-DUP1)						**Source: IPH2274-01**					
Total Dissolved Solids	3640	10	10	mg/l		3600			1	10	
Batch: 6H23082 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23082-DUP1)						**Source: IPH1962-01**					
Specific Conductance	2970	1.0	N/A	umhos/cm		3000			1	5	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23124 Extracted: 08/23/06											
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						**Source: IPH2676-01**					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H29072 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29072-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/29/2006 (6H29072-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
Matrix Spike Analyzed: 08/29/2006 (6H29072-MS1)						**Source: IPH1930-01**					
Total Kjeldahl Nitrogen	11.8	0.50	0.43	mg/l	10.0	1.4	104	85-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29072 Extracted: 08/29/06											
Matrix Spike Dup Analyzed: 08/29/2006 (6H29072-MSD1)						**Source: IPH1930-01**					
Total Kjeldahl Nitrogen	11.5	0.50	0.43	mg/l	10.0	1.4	101	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

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.
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).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1927

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

LF1927

Page 1 of 1

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler:	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N), Phosphate	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	Field readings: Temp = 72 pH= 7.3 / Comments
LC-EFF	W	Poly-1L	1	8-17-06 11:55	HNO3	1	X									
LC-EFF	W	Poly-1L	1		None	2		X								
LC-EFF	W	VOAs	2		HCl	3A, 3B			X							
LC-EFF	W	1L Amber	2		HCl	4A, 4B				X						
LC-EFF	W	Poly-500 ml	1		H2SO4	5					X					
LC-EFF	W	Poly-500 ml	1		None	6						X				48 hr turnaround time on Phosphate
LC-EFF	W	Poly-500 ml	2		None	7A, 7B							X			
LC-EFF	W	Poly-500 ml	1		H2SO4	8								X		
LC-EFF	W	Poly-1L	1	8-17-06 11:55	None	9									X	

Relinquished By	Date/Time:	Received By	Date/Time:
	8-17-06 1530	TAT	8/17/06 1530
TAT	8/17/06 1930		8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/21/06 17:21

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1928-01	V-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H18066	0.015	0.040	**0.44**	1	08/18/06	08/19/06	
Sample ID: IPH1928-01 (V-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H18069	0.050	2.0	**0.56**	1	08/18/06	08/21/06	J
Arsenic	EPA 200.7	6H18066	4.4	5.0	ND	1	08/18/06	08/19/06	
Beryllium	EPA 200.7	6H18066	0.90	2.0	ND	1	08/18/06	08/19/06	
Cadmium	EPA 200.8	6H18069	0.025	1.0	**0.037**	1	08/18/06	08/21/06	J
Chromium	EPA 200.7	6H18066	2.0	5.0	ND	1	08/18/06	08/19/06	
Copper	EPA 200.8	6H18069	0.25	2.0	**1.3**	1	08/18/06	08/21/06	J
Lead	EPA 200.8	6H18069	0.040	1.0	**0.96**	1	08/18/06	08/21/06	J
Manganese	EPA 200.7	6H18066	7.0	20	**100**	1	08/18/06	08/19/06	
Mercury	EPA 245.1	6H21067	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7	6H18066	2.0	10	**2.5**	1	08/18/06	08/19/06	J
Selenium	EPA 200.8	6H18069	0.30	2.0	ND	1	08/18/06	08/21/06	
Silver	EPA 200.8	6H18069	0.025	1.0	**0.034**	1	08/18/06	08/21/06	J
Thallium	EPA 200.8	6H18069	0.15	1.0	ND	1	08/18/06	08/21/06	
Zinc	EPA 200.7	6H18066	15	20	ND	1	08/18/06	08/19/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H17179	0.015	0.040	ND	1	08/17/06	08/18/06	
Sample ID: IPH1928-01 (V-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H18070	0.050	2.0	**0.47**	1	08/18/06	08/20/06	J
Arsenic	EPA 200.7-Diss	6H17179	4.4	5.0	ND	1	08/17/06	08/18/06	
Beryllium	EPA 200.7-Diss	6H17179	0.90	2.0	ND	1	08/17/06	08/18/06	
Cadmium	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Chromium	EPA 200.7-Diss	6H17179	2.0	5.0	ND	1	08/17/06	08/18/06	
Copper	EPA 200.8-Diss	6H18070	0.25	2.0	**0.87**	1	08/18/06	08/20/06	J
Lead	EPA 200.8-Diss	6H18070	0.040	1.0	ND	1	08/18/06	08/20/06	
Manganese	EPA 200.7-Diss	6H17179	7.0	20	ND	1	08/17/06	08/18/06	
Mercury	EPA 245.1-Diss	6H21068	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7-Diss	6H17179	2.0	10	**2.8**	1	08/17/06	08/18/06	J
Selenium	EPA 200.8-Diss	6H18070	0.30	2.0	ND	1	08/18/06	08/20/06	
Silver	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Thallium	EPA 200.8-Diss	6H18070	0.15	1.0	ND	1	08/18/06	08/20/06	
Zinc	EPA 200.7-Diss	6H17179	15	20	ND	1	08/17/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**0.99**	1	08/18/06	08/18/06	
Sample ID: IPH1928-01 (V-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H21092	10	10	**18**	1	08/21/06	08/21/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H18109	0.43	0.50	**4.2**	1	08/18/06	08/18/06	
Alkalinity as CaCO3	EPA 310.1	6H18115	2.0	2.0	**180**	1	08/18/06	08/18/06	
Ammonia-N (Distilled)	EPA 350.2	6H17123	0.30	0.50	ND	1	08/17/06	08/17/06	
Hardness (as CaCO3)	SM2340B	6H18066	1.0	1.0	**200**	1	08/18/06	08/19/06	
Nitrate-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H18065	0.90	4.8	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18041	0.90	1.0	**94**	2	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H18084	10	10	**370**	1	08/18/06	08/18/06	
Total Organic Carbon	EPA 415.1	6H18119	0.50	1.0	**11**	1	08/18/06	08/18/06	
Total Suspended Solids	EPA 160.2	6H17181	10	10	**18**	1	08/17/06	08/17/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**7.1**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**8.24**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1928-01 (V-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H18075	N/A	1.0	**640**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: V-EFF (IPH1928-01) - Water					
EPA 150.1	1	08/17/2006 11:45	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 11:45	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:45	08/17/2006 19:20	08/18/2006 06:00	08/18/2006 18:46
Filtration	1	08/17/2006 11:45	08/17/2006 19:20	08/17/2006 21:54	08/17/2006 21:55

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Calcium	ND	0.10	N/A	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Magnesium	ND	0.020	N/A	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	17.7	20	15	ug/l							*J*
LCS Analyzed: 08/19/2006 (6H18066-BS1)											
Arsenic	463	5.0	4.4	ug/l	500		93	85-115			
Beryllium	470	2.0	0.90	ug/l	500		94	85-115			
Chromium	466	5.0	2.0	ug/l	500		93	85-115			
Iron	0.508	0.040	0.015	mg/l	0.500		102	85-115			
Manganese	454	20	7.0	ug/l	500		91	85-115			
Nickel	466	10	2.0	ug/l	500		93	85-115			
Zinc	439	20	15	ug/l	500		88	85-115			
Matrix Spike Analyzed: 08/19/2006 (6H18066-MS1)						**Source: IPH1225-01**					
Arsenic	483	5.0	4.4	ug/l	500	ND	97	70-130			
Beryllium	481	2.0	0.90	ug/l	500	ND	96	70-130			
Chromium	474	5.0	2.0	ug/l	500	3.6	94	70-130			
Iron	0.685	0.040	0.015	mg/l	0.500	0.18	101	70-130			
Manganese	473	20	7.0	ug/l	500	ND	95	70-130			
Nickel	455	10	2.0	ug/l	500	ND	91	70-130			
Zinc	484	20	15	ug/l	500	20	93	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Matrix Spike Dup Analyzed: 08/19/2006 (6H18066-MSD1)						**Source: IPH1225-01**					
Arsenic	485	5.0	4.4	ug/l	500	ND	97	70-130	0	20	
Beryllium	488	2.0	0.90	ug/l	500	ND	98	70-130	1	20	
Chromium	479	5.0	2.0	ug/l	500	3.6	95	70-130	1	20	
Iron	0.703	0.040	0.015	mg/l	0.500	0.18	105	70-130	3	20	
Manganese	471	20	7.0	ug/l	500	ND	94	70-130	0	20	
Nickel	462	10	2.0	ug/l	500	ND	92	70-130	2	20	
Zinc	470	20	15	ug/l	500	20	90	70-130	3	20	
Batch: 6H18069 Extracted: 08/18/06											
Blank Analyzed: 08/21/2006 (6H18069-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: 08/21/2006 (6H18069-BS1)											
Antimony	79.1	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	80.1	1.0	0.025	ug/l	80.0		100	85-115			
Copper	79.6	2.0	0.25	ug/l	80.0		100	85-115			
Lead	78.8	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.6	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.0	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	80.0	1.0	0.15	ug/l	80.0		100	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18069 Extracted: 08/18/06											
Matrix Spike Analyzed: 08/21/2006 (6H18069-MS1)						**Source: IPH1198-01**					
Antimony	82.9	2.0	0.050	ug/l	80.0	ND	104	70-130			
Cadmium	81.4	1.0	0.025	ug/l	80.0	ND	102	70-130			
Copper	73.1	2.0	0.25	ug/l	80.0	0.61	91	70-130			
Lead	76.5	1.0	0.040	ug/l	80.0	ND	96	70-130			
Selenium	84.1	2.0	0.30	ug/l	80.0	2.0	103	70-130			
Silver	74.0	1.0	0.025	ug/l	80.0	0.041	92	70-130			
Thallium	77.8	1.0	0.15	ug/l	80.0	0.21	97	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H18069-MSD1)						**Source: IPH1198-01**					
Antimony	83.2	2.0	0.050	ug/l	80.0	ND	104	70-130	0	20	
Cadmium	81.3	1.0	0.025	ug/l	80.0	ND	102	70-130	0	20	
Copper	73.0	2.0	0.25	ug/l	80.0	0.61	90	70-130	0	20	
Lead	75.0	1.0	0.040	ug/l	80.0	ND	94	70-130	2	20	
Selenium	83.9	2.0	0.30	ug/l	80.0	2.0	102	70-130	0	20	
Silver	74.6	1.0	0.025	ug/l	80.0	0.041	93	70-130	1	20	
Thallium	76.6	1.0	0.15	ug/l	80.0	0.21	95	70-130	2	20	
Batch: 6H21067 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21067-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21067-BS1)											
Mercury	7.31	0.20	0.15	ug/l	8.00		91	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21067-MS1)						**Source: IPH1919-01**					
Mercury	7.14	0.20	0.15	ug/l	8.00	ND	89	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21067 Extracted: 08/21/06											
Matrix Spike Dup Analyzed: 08/21/2006 (6H21067-MSD1)						**Source: IPH1919-01**					
Mercury	7.20	0.20	0.15	ug/l	8.00	ND	90	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17179 Extracted: 08/17/06											
Blank Analyzed: 08/18/2006 (6H17179-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/18/2006 (6H17179-BS1)											
Arsenic	956	5.0	4.4	ug/l	1000		96	85-115			
Beryllium	964	2.0	0.90	ug/l	1000		96	85-115			
Chromium	954	5.0	2.0	ug/l	1000		95	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	944	20	7.0	ug/l	1000		94	85-115			
Nickel	992	10	2.0	ug/l	1000		99	85-115			
Zinc	950	20	15	ug/l	1000		95	85-115			
Matrix Spike Analyzed: 08/18/2006 (6H17179-MS1)						**Source: IPH1928-01**					
Arsenic	973	5.0	4.4	ug/l	1000	ND	97	70-130			
Beryllium	983	2.0	0.90	ug/l	1000	ND	98	70-130			
Chromium	950	5.0	2.0	ug/l	1000	ND	95	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	947	20	7.0	ug/l	1000	ND	95	70-130			
Nickel	957	10	2.0	ug/l	1000	2.8	95	70-130			
Zinc	924	20	15	ug/l	1000	ND	92	70-130			
Matrix Spike Dup Analyzed: 08/18/2006 (6H17179-MSD1)						**Source: IPH1928-01**					
Arsenic	991	5.0	4.4	ug/l	1000	ND	99	70-130	2	20	
Beryllium	981	2.0	0.90	ug/l	1000	ND	98	70-130	0	20	
Chromium	964	5.0	2.0	ug/l	1000	ND	96	70-130	1	20	
Iron	1.03	0.040	0.015	mg/l	1.00	ND	103	70-130	2	20	
Manganese	942	20	7.0	ug/l	1000	ND	94	70-130	1	20	
Nickel	972	10	2.0	ug/l	1000	2.8	97	70-130	2	20	
Zinc	953	20	15	ug/l	1000	ND	95	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18070 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18070-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: 08/20/2006 (6H18070-BS1)											
Antimony	80.0	2.0	0.050	ug/l	80.0		100	85-115			
Cadmium	80.5	1.0	0.025	ug/l	80.0		101	85-115			
Copper	82.1	2.0	0.25	ug/l	80.0		103	85-115			
Lead	79.4	1.0	0.040	ug/l	80.0		99	85-115			
Selenium	80.0	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.4	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	68.8	1.0	0.15	ug/l	80.0		86	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18070-MS1)						**Source: IPH1928-01**					
Antimony	79.1	2.0	0.050	ug/l	80.0	0.47	98	70-130			
Cadmium	76.1	1.0	0.025	ug/l	80.0	ND	95	70-130			
Copper	77.6	2.0	0.25	ug/l	80.0	0.87	96	70-130			
Lead	78.6	1.0	0.040	ug/l	80.0	ND	98	70-130			
Selenium	77.9	2.0	0.30	ug/l	80.0	ND	97	70-130			
Silver	76.0	1.0	0.025	ug/l	80.0	ND	95	70-130			
Thallium	68.3	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18070-MSD1)						**Source: IPH1928-01**					
Antimony	79.7	2.0	0.050	ug/l	80.0	0.47	99	70-130	1	20	
Cadmium	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	0	20	
Copper	77.9	2.0	0.25	ug/l	80.0	0.87	96	70-130	0	20	
Lead	79.6	1.0	0.040	ug/l	80.0	ND	100	70-130	1	20	
Selenium	78.2	2.0	0.30	ug/l	80.0	ND	98	70-130	0	20	
Silver	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	1	20	
Thallium	69.3	1.0	0.15	ug/l	80.0	ND	87	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21068 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21068-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21068-BS1)											
Mercury	8.32	0.20	0.15	ug/l	8.00		104	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21068-MS1)						**Source: IPH2077-01**					
Mercury	7.58	0.20	0.15	ug/l	8.00	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H21068-MSD1)						**Source: IPH2077-01**					
Mercury	7.78	0.20	0.15	ug/l	8.00	ND	97	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17123 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17123-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/17/2006 (6H17123-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/17/2006 (6H17123-MS1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.3	0.50	0.30	mg/l	10.0	2.2	101	70-120			
Matrix Spike Dup Analyzed: 08/17/2006 (6H17123-MSD1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.6	0.50	0.30	mg/l	10.0	2.2	104	70-120	2	15	
Batch: 6H17181 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17181-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/17/2006 (6H17181-BS1)											
Total Suspended Solids	944	10	10	mg/l	1000		94	85-115			
Duplicate Analyzed: 08/17/2006 (6H17181-DUP1)						**Source: IPH1889-01**					
Total Suspended Solids	188	10	10	mg/l		220			16	10	*R-3*
Batch: 6H18041 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18041-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18041 Extracted: 08/18/06											
LCS Analyzed: 08/18/2006 (6H18041-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.39	0.15	0.080	mg/l	1.52		91	90-110			
Sulfate	10.1	0.50	0.45	mg/l	10.0		101	90-110			*M-3*
Matrix Spike Analyzed: 08/18/2006 (6H18041-MS1)						**Source: IPH1943-01**					
Nitrate-N	2.31	0.15	0.080	mg/l	1.13	1.1	107	80-120			
Nitrite-N	1.70	0.15	0.080	mg/l	1.52	ND	112	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18041-MSD1)						**Source: IPH1943-01**					
Nitrate-N	2.19	0.15	0.080	mg/l	1.13	1.1	96	80-120	5	20	
Nitrite-N	1.48	0.15	0.080	mg/l	1.52	ND	97	80-120	14	20	
Batch: 6H18065 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18065-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/18/2006 (6H18065-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/18/2006 (6H18065-BSD1)											
Oil & Grease	19.2	5.0	0.94	mg/l	20.0		96	65-120	4	20	
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18075 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18075-DUP1)						**Source: IPH1459-01**					
Specific Conductance	569	1.0	N/A	umhos/cm		570			0	5	
Batch: 6H18084 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18084-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/18/2006 (6H18084-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/18/2006 (6H18084-DUP1)						**Source: IPH1928-01**					
Total Dissolved Solids	368	10	10	mg/l		370			1	10	
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	
Batch: 6H18109 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18109-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18109 Extracted: 08/18/06											
LCS Analyzed: 08/18/2006 (6H18109-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/18/2006 (6H18109-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/18/2006 (6H18109-MS1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	1.1	98	85-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18109-MSD1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.6	0.50	0.43	mg/l	10.0	1.1	95	85-120	3	15	
Batch: 6H18115 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18115-DUP1)						**Source: IPH1066-06**					
Alkalinity as CaCO3	320	2.0	2.0	mg/l		320			0	20	
Reference Analyzed: 08/18/2006 (6H18115-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H18119 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18119-BLK1)											
Total Organic Carbon	ND	1.0	0.25	mg/l							
LCS Analyzed: 08/18/2006 (6H18119-BS1)											
Total Organic Carbon	10.4	1.0	0.25	mg/l	10.0		104	90-110			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18119 Extracted: 08/18/06											
Matrix Spike Analyzed: 08/18/2006 (6H18119-MS1)						**Source: IPH1110-02**					
Total Organic Carbon	12.4	1.0	0.25	mg/l	5.00	7.0	108	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18119-MSD1)						**Source: IPH1110-02**					
Total Organic Carbon	12.6	1.0	0.25	mg/l	5.00	7.0	112	80-120	2	20	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1928

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: Brandon	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Comments
V-EFF	W	Poly-1L	1	8-17-06 11:45	HNO3	1	X														
V-EFF	W	Poly-1L	1		None	2		X													
V-EFF	W	VOAs	2		HCl	3A, 3B			X												
V-EFF	W	1L Amber	2		HCl	4A, 4B				X											
V-EFF	W	Poly-500 ml	1		H2SO4	5					X										
V-EFF	W	Poly-500 ml	1		None	6						X									
V-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
V-EFF	W	Poly-500 ml	1		H2SO4	8								X							
V-EFF	W	Poly-1L	1	8-17-06 11:45	None	9									X						

Field readings:
Temp = 72°
pH= 7.6

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 8-17-06	1530	[signature] TAI	8/17/06 1530
[signature] TAI	8/17/06 1920	[signature]	8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours X 10 Days _____
72 Hours _____ Normal _____
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 16:39

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1930-01	AC-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.084**	1	08/28/06	08/29/06	
Sample ID: IPH1930-01 (AC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.46**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**7.4**	1	08/25/06	08/26/06	
Lead	EPA 200.8	6H25062	0.040	1.0	**0.14**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**26**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H22114	0.015	0.040	ND	1	08/22/06	08/25/06	
Sample ID: IPH1930-01 (AC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.47**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H22114	4.4	5.0	ND	1	08/22/06	08/25/06	
Beryllium	EPA 200.7-Diss	6H22114	0.90	2.0	ND	1	08/22/06	08/25/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H22114	2.0	5.0	ND	1	08/22/06	08/25/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**0.73**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	**0.040**	1	08/25/06	08/25/06	B, J
Manganese	EPA 200.7-Diss	6H22114	7.0	20	ND	1	08/22/06	08/25/06	
Mercury	EPA 245.1-Diss	6H23076	0.15	0.20	ND	1	08/23/06	08/23/06	
Nickel	EPA 200.7-Diss	6H22114	2.0	10	ND	1	08/22/06	08/25/06	
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	ND	1	08/25/06	08/25/06	
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H22114	15	20	ND	1	08/22/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1930-01 (AC-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H29072	0.43	0.50	**1.4**	1	08/29/06	08/29/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**190**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**1.1**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**200**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Sulfate	EPA 300.0	6H18116	2.2	2.5	**93**	5	08/18/06	08/19/06	
Total Dissolved Solids	SM2540C	6H24071	10	10	**380**	1	08/24/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H22137	0.50	1.0	**8.4**	1	08/22/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	ND	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**3.2**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18101	N/A	NA	**8.21**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1930-01 (AC-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H24064	N/A	1.0	**630**	1	08/24/06	08/24/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: AC-EFF (IPH1930-01) - Water					
EPA 150.1	1	08/17/2006 11:15	08/17/2006 19:20	08/18/2006 09:50	08/18/2006 10:15
EPA 180.1	2	08/17/2006 11:15	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:15	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 19:17
Filtration	1	08/17/2006 11:15	08/17/2006 19:20	08/22/2006 15:11	08/22/2006 15:11

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22114 Extracted: 08/22/06											
Blank Analyzed: 08/24/2006 (6H22114-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/24/2006 (6H22114-BS1)											
Arsenic	1060	5.0	4.4	ug/l	1000		106	85-115			
Beryllium	1040	2.0	0.90	ug/l	1000		104	85-115			
Chromium	1060	5.0	2.0	ug/l	1000		106	85-115			
Iron	1.07	0.040	0.015	mg/l	1.00		107	85-115			
Manganese	1070	20	7.0	ug/l	1000		107	85-115			
Nickel	1060	10	2.0	ug/l	1000		106	85-115			
Zinc	1050	20	15	ug/l	1000		105	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H22114-MS1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130			
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130			
Chromium	1010	5.0	2.0	ug/l	1000	ND	101	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	1030	20	7.0	ug/l	1000	ND	103	70-130			
Nickel	1010	10	2.0	ug/l	1000	ND	101	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H22114-MSD1)						**Source: IPH1923-01**					
Arsenic	1060	5.0	4.4	ug/l	1000	ND	106	70-130	0	20	
Beryllium	1020	2.0	0.90	ug/l	1000	ND	102	70-130	0	20	
Chromium	1040	5.0	2.0	ug/l	1000	ND	104	70-130	3	20	
Iron	1.04	0.040	0.015	mg/l	1.00	ND	104	70-130	3	20	
Manganese	1020	20	7.0	ug/l	1000	ND	102	70-130	1	20	
Nickel	1030	10	2.0	ug/l	1000	ND	103	70-130	2	20	
Zinc	1050	20	15	ug/l	1000	ND	105	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23076 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23076-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/23/2006 (6H23076-BS1)											
Mercury	7.58	0.20	0.15	ug/l	8.00		95	85-115			
Matrix Spike Analyzed: 08/23/2006 (6H23076-MS1)						**Source: IPH2359-01**					
Mercury	5.23	0.20	0.15	ug/l	8.00	ND	65	70-130			*M2*
Matrix Spike Dup Analyzed: 08/23/2006 (6H23076-MSD1)						**Source: IPH2359-01**					
Mercury	5.30	0.20	0.15	ug/l	8.00	ND	66	70-130	1	20	*M2*
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18101 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18101-DUP1)						**Source: IPH1869-03**					
pH	7.51	NA	N/A	pH Units		7.48			0	5	
Duplicate Analyzed: 08/18/2006 (6H18101-DUP2)						**Source: IPH1893-04**					
pH	7.66	NA	N/A	pH Units		7.60			1	5	
Batch: 6H18116 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18116-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18116-BS1)											
Nitrate-N	1.20	0.15	0.080	mg/l	1.13		106	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			*M-3*
Matrix Spike Analyzed: 08/18/2006 (6H18116-MS1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120			
Nitrite-N	1.81	0.15	0.080	mg/l	1.52	ND	119	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18116-MSD1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120	0	20	
Nitrite-N	1.79	0.15	0.080	mg/l	1.52	ND	118	80-120	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22137 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22137-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22137 Extracted: 08/22/06											
LCS Analyzed: 08/22/2006 (6H22137-BS1)											
Total Organic Carbon	10.6	1.0	0.50	mg/l	10.0		106	90-110			
Matrix Spike Analyzed: 08/22/2006 (6H22137-MS1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	62.4	10	5.0	mg/l	5.00	62	8	80-120			*M-HA*
Matrix Spike Dup Analyzed: 08/22/2006 (6H22137-MSD1)						**Source: IPH1476-07RE1**					
Total Organic Carbon	64.2	10	5.0	mg/l	5.00	62	44	80-120	3	20	*M-HA*
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23124 Extracted: 08/23/06											
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H24064 Extracted: 08/24/06											
Duplicate Analyzed: 08/24/2006 (6H24064-DUP1)						**Source: IPH2522-01**					
Specific Conductance	561	1.0	N/A	umhos/cm		560			0	5	
Batch: 6H24071 Extracted: 08/24/06											
Blank Analyzed: 08/24/2006 (6H24071-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H24071-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H24071-DUP1)						**Source: IPH1943-01**					
Total Dissolved Solids	322	10	10	mg/l		320			1	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						**Source: IPH2676-01**					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H29072 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29072-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/29/2006 (6H29072-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
Matrix Spike Analyzed: 08/29/2006 (6H29072-MS1)						**Source: IPH1930-01**					
Total Kjeldahl Nitrogen	11.8	0.50	0.43	mg/l	10.0	1.4	104	85-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29072-MSD1)						**Source: IPH1930-01**					
Total Kjeldahl Nitrogen	11.5	0.50	0.43	mg/l	10.0	1.4	101	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

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.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the 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).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1930

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

1PH1930

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue. Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BKelly	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Field readings: Temp = 73 @ pH= 7.6 **Comments**
AC-EFF	W	Poly-1L	1	8-17-06 11:11	HNO3	1	X														
AC-EFF	W	Poly-1L	1		None	2		X													
AC-EFF	W	VOAs	2		HCl	3A, 3B			X												
AC-EFF	W	1L Amber	2		HCl	4A, 4B				X											
AC-EFF	W	Poly-500 ml	1		H2SO4	5					X										
AC-EFF	W	Poly-500 ml	1		None	6						X									
AC-EFF	W	Poly-500 ml	1		None	7A, 7B							X								
AC-EFF	W	Poly-500 ml	1		H2SO4	8								X							
AC-EFF	W	Poly-1L	1	8-17-06 11:15	None	9									X						

Relinquished By	Date/Time:	Received By	Date/Time:
8-17-06	1530	TAI	8/17/06 1530
TAI 8/17/06	1930		8/17/06 1920

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity: (Check)
Intact X On Ice: 5°C

1PH1930

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/22/06 09:11

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1931-01	P-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H18066	0.015	0.040	**0.57**	1	08/18/06	08/19/06	
Sample ID: IPH1931-01 (P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H18069	0.050	2.0	**0.52**	1	08/18/06	08/21/06	J
Arsenic	EPA 200.7	6H18066	4.4	5.0	ND	1	08/18/06	08/19/06	
Beryllium	EPA 200.7	6H18066	0.90	2.0	ND	1	08/18/06	08/19/06	
Cadmium	EPA 200.8	6H18069	0.025	1.0	**0.033**	1	08/18/06	08/21/06	J
Chromium	EPA 200.7	6H18066	2.0	5.0	ND	1	08/18/06	08/19/06	
Copper	EPA 200.8	6H18069	0.25	2.0	**1.3**	1	08/18/06	08/21/06	J
Lead	EPA 200.8	6H18069	0.040	1.0	**0.39**	1	08/18/06	08/21/06	J
Manganese	EPA 200.7	6H18066	7.0	20	**85**	1	08/18/06	08/19/06	
Mercury	EPA 245.1	6H21067	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7	6H18066	2.0	10	**2.3**	1	08/18/06	08/19/06	J
Selenium	EPA 200.8	6H18069	0.30	2.0	ND	1	08/18/06	08/21/06	
Silver	EPA 200.8	6H18069	0.025	1.0	**0.034**	1	08/18/06	08/21/06	J
Thallium	EPA 200.8	6H18069	0.15	1.0	ND	1	08/18/06	08/21/06	
Zinc	EPA 200.7	6H18066	15	20	ND	1	08/18/06	08/19/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H17179	0.015	0.040	ND	1	08/17/06	08/18/06	
Sample ID: IPH1931-01 (P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H18070	0.050	2.0	**0.56**	1	08/18/06	08/20/06	J
Arsenic	EPA 200.7-Diss	6H17179	4.4	5.0	ND	1	08/17/06	08/18/06	
Beryllium	EPA 200.7-Diss	6H17179	0.90	2.0	ND	1	08/17/06	08/18/06	
Cadmium	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Chromium	EPA 200.7-Diss	6H17179	2.0	5.0	ND	1	08/17/06	08/18/06	
Copper	EPA 200.8-Diss	6H18070	0.25	2.0	**0.92**	1	08/18/06	08/20/06	J
Lead	EPA 200.8-Diss	6H18070	0.040	1.0	**0.050**	1	08/18/06	08/20/06	J
Manganese	EPA 200.7-Diss	6H17179	7.0	20	ND	1	08/17/06	08/18/06	
Mercury	EPA 245.1-Diss	6H21068	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7-Diss	6H17179	2.0	10	**2.6**	1	08/17/06	08/18/06	J
Selenium	EPA 200.8-Diss	6H18070	0.30	2.0	**0.39**	1	08/18/06	08/20/06	J
Silver	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Thallium	EPA 200.8-Diss	6H18070	0.15	1.0	ND	1	08/18/06	08/20/06	
Zinc	EPA 200.7-Diss	6H17179	15	20	ND	1	08/17/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**0.99**	1	08/18/06	08/18/06	
Sample ID: IPH1931-01 (P-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H21092	10	10	**10**	1	08/21/06	08/21/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H18109	0.43	0.50	**3.9**	1	08/18/06	08/18/06	
Alkalinity as CaCO3	EPA 310.1	6H18115	2.0	2.0	**190**	1	08/18/06	08/18/06	
Ammonia-N (Distilled)	EPA 350.2	6H17123	0.30	0.50	**0.56**	1	08/17/06	08/17/06	
Hardness (as CaCO3)	SM2340B	6H18066	1.0	1.0	**210**	1	08/18/06	08/19/06	
Nitrate-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18041	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H18065	0.89	4.7	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18041	0.90	1.0	**92**	2	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H18084	10	10	**360**	1	08/18/06	08/18/06	
Total Organic Carbon	EPA 415.1	6H18119	0.50	1.0	**11**	1	08/18/06	08/18/06	
Total Suspended Solids	EPA 160.2	6H17181	10	10	**10**	1	08/17/06	08/17/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**6.9**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18122	N/A	NA	**8.23**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1931-01 (P-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H18075	N/A	1.0	**630**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: P-EFF (IPH1931-01) - Water					
EPA 150.1	1	08/17/2006 11:30	08/17/2006 19:20	08/18/2006 11:30	08/18/2006 12:05
EPA 180.1	2	08/17/2006 11:30	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:30	08/17/2006 19:20	08/18/2006 06:00	08/18/2006 19:00
Filtration	1	08/17/2006 11:30	08/17/2006 19:20	08/17/2006 21:54	08/17/2006 21:55

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Calcium	ND	0.10	N/A	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Magnesium	ND	0.020	N/A	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	17.7	20	15	ug/l							*J*
LCS Analyzed: 08/19/2006 (6H18066-BS1)											
Arsenic	463	5.0	4.4	ug/l	500		93	85-115			
Beryllium	470	2.0	0.90	ug/l	500		94	85-115			
Chromium	466	5.0	2.0	ug/l	500		93	85-115			
Iron	0.508	0.040	0.015	mg/l	0.500		102	85-115			
Manganese	454	20	7.0	ug/l	500		91	85-115			
Nickel	466	10	2.0	ug/l	500		93	85-115			
Zinc	439	20	15	ug/l	500		88	85-115			
Matrix Spike Analyzed: 08/19/2006 (6H18066-MS1)						**Source: IPH1225-01**					
Arsenic	483	5.0	4.4	ug/l	500	ND	97	70-130			
Beryllium	481	2.0	0.90	ug/l	500	ND	96	70-130			
Chromium	474	5.0	2.0	ug/l	500	3.6	94	70-130			
Iron	0.685	0.040	0.015	mg/l	0.500	0.18	101	70-130			
Manganese	473	20	7.0	ug/l	500	ND	95	70-130			
Nickel	455	10	2.0	ug/l	500	ND	91	70-130			
Zinc	484	20	15	ug/l	500	20	93	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Matrix Spike Dup Analyzed: 08/19/2006 (6H18066-MSD1)						**Source: IPH1225-01**					
Arsenic	485	5.0	4.4	ug/l	500	ND	97	70-130	0	20	
Beryllium	488	2.0	0.90	ug/l	500	ND	98	70-130	1	20	
Chromium	479	5.0	2.0	ug/l	500	3.6	95	70-130	1	20	
Iron	0.703	0.040	0.015	mg/l	0.500	0.18	105	70-130	3	20	
Manganese	471	20	7.0	ug/l	500	ND	94	70-130	0	20	
Nickel	462	10	2.0	ug/l	500	ND	92	70-130	2	20	
Zinc	470	20	15	ug/l	500	20	90	70-130	3	20	
Batch: 6H18069 Extracted: 08/18/06											
Blank Analyzed: 08/21/2006 (6H18069-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: 08/21/2006 (6H18069-BS1)											
Antimony	79.1	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	80.1	1.0	0.025	ug/l	80.0		100	85-115			
Copper	79.6	2.0	0.25	ug/l	80.0		100	85-115			
Lead	78.8	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.6	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.0	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	80.0	1.0	0.15	ug/l	80.0		100	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18069 Extracted: 08/18/06											
Matrix Spike Analyzed: 08/21/2006 (6H18069-MS1)						**Source: IPH1198-01**					
Antimony	82.9	2.0	0.050	ug/l	80.0	ND	104	70-130			
Cadmium	81.4	1.0	0.025	ug/l	80.0	ND	102	70-130			
Copper	73.1	2.0	0.25	ug/l	80.0	0.61	91	70-130			
Lead	76.5	1.0	0.040	ug/l	80.0	ND	96	70-130			
Selenium	84.1	2.0	0.30	ug/l	80.0	2.0	103	70-130			
Silver	74.0	1.0	0.025	ug/l	80.0	0.041	92	70-130			
Thallium	77.8	1.0	0.15	ug/l	80.0	0.21	97	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H18069-MSD1)						**Source: IPH1198-01**					
Antimony	83.2	2.0	0.050	ug/l	80.0	ND	104	70-130	0	20	
Cadmium	81.3	1.0	0.025	ug/l	80.0	ND	102	70-130	0	20	
Copper	73.0	2.0	0.25	ug/l	80.0	0.61	90	70-130	0	20	
Lead	75.0	1.0	0.040	ug/l	80.0	ND	94	70-130	2	20	
Selenium	83.9	2.0	0.30	ug/l	80.0	2.0	102	70-130	0	20	
Silver	74.6	1.0	0.025	ug/l	80.0	0.041	93	70-130	1	20	
Thallium	76.6	1.0	0.15	ug/l	80.0	0.21	95	70-130	2	20	
Batch: 6H21067 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21067-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21067-BS1)											
Mercury	7.31	0.20	0.15	ug/l	8.00		91	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21067-MS1)						**Source: IPH1919-01**					
Mercury	7.14	0.20	0.15	ug/l	8.00	ND	89	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21067 Extracted: 08/21/06											
Matrix Spike Dup Analyzed: 08/21/2006 (6H21067-MSD1)						**Source: IPH1919-01**					
Mercury	7.20	0.20	0.15	ug/l	8.00	ND	90	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17179 Extracted: 08/17/06											
Blank Analyzed: 08/18/2006 (6H17179-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/18/2006 (6H17179-BS1)											
Arsenic	956	5.0	4.4	ug/l	1000		96	85-115			
Beryllium	964	2.0	0.90	ug/l	1000		96	85-115			
Chromium	954	5.0	2.0	ug/l	1000		95	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	944	20	7.0	ug/l	1000		94	85-115			
Nickel	992	10	2.0	ug/l	1000		99	85-115			
Zinc	950	20	15	ug/l	1000		95	85-115			
Matrix Spike Analyzed: 08/18/2006 (6H17179-MS1)						**Source: IPH1928-01**					
Arsenic	973	5.0	4.4	ug/l	1000	ND	97	70-130			
Beryllium	983	2.0	0.90	ug/l	1000	ND	98	70-130			
Chromium	950	5.0	2.0	ug/l	1000	ND	95	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	947	20	7.0	ug/l	1000	ND	95	70-130			
Nickel	957	10	2.0	ug/l	1000	2.8	95	70-130			
Zinc	924	20	15	ug/l	1000	ND	92	70-130			
Matrix Spike Dup Analyzed: 08/18/2006 (6H17179-MSD1)						**Source: IPH1928-01**					
Arsenic	991	5.0	4.4	ug/l	1000	ND	99	70-130	2	20	
Beryllium	981	2.0	0.90	ug/l	1000	ND	98	70-130	0	20	
Chromium	964	5.0	2.0	ug/l	1000	ND	96	70-130	1	20	
Iron	1.03	0.040	0.015	mg/l	1.00	ND	103	70-130	2	20	
Manganese	942	20	7.0	ug/l	1000	ND	94	70-130	1	20	
Nickel	972	10	2.0	ug/l	1000	2.8	97	70-130	2	20	
Zinc	953	20	15	ug/l	1000	ND	95	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18070 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18070-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: 08/20/2006 (6H18070-BS1)											
Antimony	80.0	2.0	0.050	ug/l	80.0		100	85-115			
Cadmium	80.5	1.0	0.025	ug/l	80.0		101	85-115			
Copper	82.1	2.0	0.25	ug/l	80.0		103	85-115			
Lead	79.4	1.0	0.040	ug/l	80.0		99	85-115			
Selenium	80.0	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.4	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	68.8	1.0	0.15	ug/l	80.0		86	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18070-MS1)						**Source: IPH1928-01**					
Antimony	79.1	2.0	0.050	ug/l	80.0	0.47	98	70-130			
Cadmium	76.1	1.0	0.025	ug/l	80.0	ND	95	70-130			
Copper	77.6	2.0	0.25	ug/l	80.0	0.87	96	70-130			
Lead	78.6	1.0	0.040	ug/l	80.0	ND	98	70-130			
Selenium	77.9	2.0	0.30	ug/l	80.0	ND	97	70-130			
Silver	76.0	1.0	0.025	ug/l	80.0	ND	95	70-130			
Thallium	68.3	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18070-MSD1)						**Source: IPH1928-01**					
Antimony	79.7	2.0	0.050	ug/l	80.0	0.47	99	70-130	1	20	
Cadmium	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	0	20	
Copper	77.9	2.0	0.25	ug/l	80.0	0.87	96	70-130	0	20	
Lead	79.6	1.0	0.040	ug/l	80.0	ND	100	70-130	1	20	
Selenium	78.2	2.0	0.30	ug/l	80.0	ND	98	70-130	0	20	
Silver	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	1	20	
Thallium	69.3	1.0	0.15	ug/l	80.0	ND	87	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21068 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21068-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21068-BS1)											
Mercury	8.32	0.20	0.15	ug/l	8.00		104	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21068-MS1)						**Source: IPH2077-01**					
Mercury	7.58	0.20	0.15	ug/l	8.00	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H21068-MSD1)						**Source: IPH2077-01**					
Mercury	7.78	0.20	0.15	ug/l	8.00	ND	97	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17123 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17123-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/17/2006 (6H17123-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/17/2006 (6H17123-MS1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.3	0.50	0.30	mg/l	10.0	2.2	101	70-120			
Matrix Spike Dup Analyzed: 08/17/2006 (6H17123-MSD1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.6	0.50	0.30	mg/l	10.0	2.2	104	70-120	2	15	
Batch: 6H17181 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17181-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/17/2006 (6H17181-BS1)											
Total Suspended Solids	944	10	10	mg/l	1000		94	85-115			
Duplicate Analyzed: 08/17/2006 (6H17181-DUP1)						**Source: IPH1889-01**					
Total Suspended Solids	188	10	10	mg/l		220			16	10	*R-3*
Batch: 6H18041 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18041-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18041 Extracted: 08/18/06											
LCS Analyzed: 08/18/2006 (6H18041-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.39	0.15	0.080	mg/l	1.52		91	90-110			
Sulfate	10.1	0.50	0.45	mg/l	10.0		101	90-110			*M-3*
Matrix Spike Analyzed: 08/18/2006 (6H18041-MS1)						**Source: IPH1943-01**					
Nitrate-N	2.31	0.15	0.080	mg/l	1.13	1.1	107	80-120			
Nitrite-N	1.70	0.15	0.080	mg/l	1.52	ND	112	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18041-MSD1)						**Source: IPH1943-01**					
Nitrate-N	2.19	0.15	0.080	mg/l	1.13	1.1	96	80-120	5	20	
Nitrite-N	1.48	0.15	0.080	mg/l	1.52	ND	97	80-120	14	20	
Batch: 6H18065 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18065-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/18/2006 (6H18065-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/18/2006 (6H18065-BSD1)											
Oil & Grease	19.2	5.0	0.94	mg/l	20.0		96	65-120	4	20	
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18075 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18075-DUP1)						**Source: IPH1459-01**					
Specific Conductance	569	1.0	N/A	umhos/cm		570			0	5	
Batch: 6H18084 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18084-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/18/2006 (6H18084-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/18/2006 (6H18084-DUP1)						**Source: IPH1928-01**					
Total Dissolved Solids	368	10	10	mg/l		370			1	10	
Batch: 6H18109 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18109-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/18/2006 (6H18109-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/18/2006 (6H18109-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/18/2006 (6H18109-MS1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	1.1	98	85-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18109 Extracted: 08/18/06											
Matrix Spike Dup Analyzed: 08/18/2006 (6H18109-MSD1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.6	0.50	0.43	mg/l	10.0	1.1	95	85-120	3	15	
Batch: 6H18115 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18115-DUP1)						**Source: IPH1066-06**					
Alkalinity as CaCO3	320	2.0	2.0	mg/l		320			0	20	
Reference Analyzed: 08/18/2006 (6H18115-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H18119 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18119-BLK1)											
Total Organic Carbon	ND	1.0	0.25	mg/l							
LCS Analyzed: 08/18/2006 (6H18119-BS1)											
Total Organic Carbon	10.4	1.0	0.25	mg/l	10.0		104	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18119-MS1)						**Source: IPH1110-02**					
Total Organic Carbon	12.4	1.0	0.25	mg/l	5.00	7.0	108	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18119-MSD1)						**Source: IPH1110-02**					
Total Organic Carbon	12.6	1.0	0.25	mg/l	5.00	7.0	112	80-120	2	20	
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP1)						**Source: IPH1901-01**					
pH	7.33	NA	N/A	pH Units		7.31			0	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP2)						**Source: IPH1943-04**					
pH	7.79	NA	N/A	pH Units		7.71			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1931

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

IPH1931

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BAUMAN	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Comments
P-EFF	W	Poly-1L	1	8-17-06 11:30	HNO3	1	X														
P-EFF	W	Poly-1L	1		None	2		X													
P-EFF	W	VOAs	2		HCl	3A, 3B			X												
P-EFF	W	1L Amber	2		HCl	4A, 4B				X											
P-EFF	W	Poly-500 ml	1		H2SO4	5					X										
P-EFF	W	Poly-500 ml	1		None	6						X									
P-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
P-EFF	W	Poly-500 ml	1		H2SO4	8								X							
P-EFF	W	Poly-1L	1	8-17-06 11:30	None	9									X						

Field readings: @
Temp = 72
pH= 7.5

Relinquished By	Date/Time:	Received By	Date/Time:
8-17-06	1530	TAT	8/17/06 1530
Relinquished By	Date/Time:	Received By	Date/Time:
TAT 8/17/06 1455		8/17/06 1920	
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours ____ 5 Days ____
48 Hours X 10 Days ____
72 Hours ____ Normal ____
Perchlorate Only 72 Hours____
Metals Only 72 Hours____
Sample Integrity: (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/31/06 16:28

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1932-01	PT-INF2	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.59**	1	08/28/06	08/29/06	
Sample ID: IPH1932-01 (PT-INF2 - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.50**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	**0.033**	1	08/25/06	08/26/06	J
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**3.9**	1	08/25/06	08/26/06	
Lead	EPA 200.8	6H25062	0.040	1.0	**0.76**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**91**	1	08/24/06	08/25/06	
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	**2.0**	1	08/24/06	08/25/06	J
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	**0.049**	1	08/25/06	08/26/06	J
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	**23**	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H18133	0.015	0.040	ND	1	08/18/06	08/20/06	
Sample ID: IPH1932-01 (PT-INF2 - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.49**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H18133	4.4	5.0	ND	1	08/18/06	08/20/06	
Beryllium	EPA 200.7-Diss	6H18133	0.90	2.0	ND	1	08/18/06	08/20/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H18133	2.0	5.0	ND	1	08/18/06	08/20/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**1.1**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	ND	1	08/25/06	08/25/06	
Manganese	EPA 200.7-Diss	6H18133	7.0	20	ND	1	08/18/06	08/20/06	
Mercury	EPA 245.1-Diss	6H22092	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7-Diss	6H18133	2.0	10	ND	1	08/18/06	08/20/06	
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.31**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H18133	15	20	ND	1	08/18/06	08/20/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1932-01 (PT-INF2 - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	**24**	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H28105	0.43	0.50	**5.3**	1	08/28/06	08/28/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**180**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**1.4**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**210**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Sulfate	EPA 300.0	6H18116	2.2	2.5	**94**	5	08/18/06	08/19/06	
Total Dissolved Solids	SM2540C	6H24071	10	10	**390**	1	08/24/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H23157	0.50	1.0	**12**	1	08/23/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	**24**	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**9.9**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18122	N/A	NA	**8.34**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1932-01 (PT-INF2 - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H24064	N/A	1.0	**610**	1	08/24/06	08/24/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PT-INF2 (IPH1932-01) - Water					
EPA 150.1	1	08/17/2006 10:25	08/17/2006 19:20	08/18/2006 11:30	08/18/2006 12:05
EPA 180.1	2	08/17/2006 10:25	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 10:25	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 19:38
Filtration	1	08/17/2006 10:25	08/17/2006 19:20	08/18/2006 15:00	08/18/2006 15:00

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18133 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18133-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/20/2006 (6H18133-BS1)											
Arsenic	973	5.0	4.4	ug/l	1000		97	85-115			
Beryllium	971	2.0	0.90	ug/l	1000		97	85-115			
Chromium	955	5.0	2.0	ug/l	1000		96	85-115			
Iron	0.964	0.040	0.015	mg/l	1.00		96	85-115			
Manganese	972	20	7.0	ug/l	1000		97	85-115			
Nickel	958	10	2.0	ug/l	1000		96	85-115			
Zinc	983	20	15	ug/l	1000		98	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18133-MS1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130			
Beryllium	991	2.0	0.90	ug/l	1000	ND	99	70-130			
Chromium	976	5.0	2.0	ug/l	1000	ND	98	70-130			
Iron	0.975	0.040	0.015	mg/l	1.00	ND	98	70-130			
Manganese	990	20	7.0	ug/l	1000	ND	99	70-130			
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18133-MSD1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	0	20	
Beryllium	999	2.0	0.90	ug/l	1000	ND	100	70-130	1	20	
Chromium	975	5.0	2.0	ug/l	1000	ND	98	70-130	0	20	
Iron	0.976	0.040	0.015	mg/l	1.00	ND	98	70-130	0	20	
Manganese	980	20	7.0	ug/l	1000	ND	98	70-130	1	20	
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130	0	20	
Zinc	1020	20	15	ug/l	1000	ND	102	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22092 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22092-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22092-BS1)											
Mercury	7.39	0.20	0.15	ug/l	8.00		92	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22092-MS1)						**Source: IPH2200-01**					
Mercury	6.47	0.20	0.15	ug/l	8.00	ND	81	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22092-MSD1)						**Source: IPH2200-01**					
Mercury	6.43	0.20	0.15	ug/l	8.00	ND	80	70-130	1	20	
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18116 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18116-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18116-BS1)											
Nitrate-N	1.20	0.15	0.080	mg/l	1.13		106	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			*M-3*
Matrix Spike Analyzed: 08/18/2006 (6H18116-MS1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120			
Nitrite-N	1.81	0.15	0.080	mg/l	1.52	ND	119	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18116-MSD1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120	0	20	
Nitrite-N	1.79	0.15	0.080	mg/l	1.52	ND	118	80-120	1	20	
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP1)						**Source: IPH1901-01**					
pH	7.33	NA	N/A	pH Units		7.31			0	5	
Duplicate Analyzed: 08/18/2006 (6H18122-DUP2)						**Source: IPH1943-04**					
pH	7.79	NA	N/A	pH Units		7.71			1	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22156 Extracted: 08/22/06											
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H23157 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23157-BLK1)											
Total Organic Carbon	ND	1.0	0.25	mg/l							
LCS Analyzed: 08/23/2006 (6H23157-BS1)											
Total Organic Carbon	10.6	1.0	0.25	mg/l	10.0		106	90-110			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23157 Extracted: 08/23/06											
Matrix Spike Analyzed: 08/23/2006 (6H23157-MS1)						**Source: IPH1886-03**					
Total Organic Carbon	12.1	1.0	0.25	mg/l	5.00	7.1	100	80-120			
Matrix Spike Dup Analyzed: 08/23/2006 (6H23157-MSD1)						**Source: IPH1886-03**					
Total Organic Carbon	12.2	1.0	0.25	mg/l	5.00	7.1	102	80-120	1	20	
Batch: 6H24064 Extracted: 08/24/06											
Duplicate Analyzed: 08/24/2006 (6H24064-DUP1)						**Source: IPH2522-01**					
Specific Conductance	561	1.0	N/A	umhos/cm		560			0	5	
Batch: 6H24071 Extracted: 08/24/06											
Blank Analyzed: 08/24/2006 (6H24071-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H24071-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H24071-DUP1)						**Source: IPH1943-01**					
Total Dissolved Solids	322	10	10	mg/l		320			1	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						**Source: IPH2676-01**					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H28105 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28105-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/28/2006 (6H28105-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/28/2006 (6H28105-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/28/2006 (6H28105-MS1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	11.2	0.50	0.43	mg/l	10.0	ND	112	85-120			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28105-MSD1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	ND	109	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1932

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

DPH1932

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:	ANALYSIS REQUIRED
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test	
Project Manager: Bronwyn Kelly Sampler: BAÑAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515	

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals As, Ag, Be, Cd, Cr, Cu, Pb Hg, Ni, Mn, Sb, Se, Tl, Fe* Zn						Field readings Temp = 72 pH= 7.5 Comments
PT-INF2	W	Poly-1L	1	8-17-06 10:25	HNO3	1	X															
PT-INF2	W	Poly-1L	1		None	2		X														
PT-INF2	W	VOAs	2		HCl	3A, 3B			X													
PT-INF2	W	1L Amber	2		HCl	4A, 4B				X												
PT-INF2	W	Poly-500 ml	1		H2SO4	5					X											
PT-INF2	W	Poly-500 ml	1		None	6						X										
PT-INF2	W	Poly-500 ml	2		None	7A, 7B							X									
PT-INF2	W	Poly-500 ml	1		H2SO4	8								X								
PT-INF2	W	Poly-1L	1	8-17-06 10:25	None	9									X							

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 8-17-06	1530	[signature]	8/17/06 1530
[signature] TAE	8/17/06 1920	[signature]	8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal ✓

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity: (Check)
Intact ✓ On Ice: ✓ 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 08/22/06 18:00

NELAP #01108CA California ELAP#1197 CSDLAC #10117

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 5°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:	No analyses were subcontracted to an outside laboratory.
ADDITIONAL INFORMATION:	Enclosed is a complete final report.

LABORATORY ID	CLIENT ID	MATRIX
IPH1933-01	PT-INF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H18066	0.015	0.040	**0.090**	1	08/18/06	08/19/06	
Sample ID: IPH1933-01 (PT-INF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H18069	0.050	2.0	**0.53**	1	08/18/06	08/21/06	J
Arsenic	EPA 200.7	6H18066	4.4	5.0	ND	1	08/18/06	08/19/06	
Beryllium	EPA 200.7	6H18066	0.90	2.0	ND	1	08/18/06	08/19/06	
Cadmium	EPA 200.8	6H18069	0.025	1.0	**0.040**	1	08/18/06	08/21/06	J
Chromium	EPA 200.7	6H18066	2.0	5.0	ND	1	08/18/06	08/19/06	
Copper	EPA 200.8	6H18069	0.25	2.0	**2.5**	1	08/18/06	08/21/06	
Lead	EPA 200.8	6H18069	0.040	1.0	**0.55**	1	08/18/06	08/21/06	J
Manganese	EPA 200.7	6H18066	7.0	20	ND	1	08/18/06	08/19/06	
Mercury	EPA 245.1	6H21067	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7	6H18066	2.0	10	ND	1	08/18/06	08/19/06	
Selenium	EPA 200.8	6H18069	0.30	2.0	ND	1	08/18/06	08/21/06	
Silver	EPA 200.8	6H18069	0.025	1.0	**0.054**	1	08/18/06	08/21/06	J
Thallium	EPA 200.8	6H18069	0.15	1.0	ND	1	08/18/06	08/21/06	
Zinc	EPA 200.7	6H18066	15	20	ND	1	08/18/06	08/19/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H17179	0.015	0.040	ND	1	08/17/06	08/18/06	
Sample ID: IPH1933-01 (PT-INF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H18070	0.050	2.0	**0.37**	1	08/18/06	08/20/06	J
Arsenic	EPA 200.7-Diss	6H17179	4.4	5.0	ND	1	08/17/06	08/18/06	
Beryllium	EPA 200.7-Diss	6H17179	0.90	2.0	ND	1	08/17/06	08/18/06	
Cadmium	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Chromium	EPA 200.7-Diss	6H17179	2.0	5.0	ND	1	08/17/06	08/18/06	
Copper	EPA 200.8-Diss	6H18070	0.25	2.0	**0.94**	1	08/18/06	08/20/06	J
Lead	EPA 200.8-Diss	6H18070	0.040	1.0	ND	1	08/18/06	08/20/06	
Manganese	EPA 200.7-Diss	6H17179	7.0	20	ND	1	08/17/06	08/18/06	
Mercury	EPA 245.1-Diss	6H21068	0.15	0.20	ND	1	08/21/06	08/21/06	
Nickel	EPA 200.7-Diss	6H17179	2.0	10	**2.2**	1	08/17/06	08/18/06	J
Selenium	EPA 200.8-Diss	6H18070	0.30	2.0	ND	1	08/18/06	08/20/06	
Silver	EPA 200.8-Diss	6H18070	0.025	1.0	ND	1	08/18/06	08/20/06	
Thallium	EPA 200.8-Diss	6H18070	0.15	1.0	ND	1	08/18/06	08/20/06	
Zinc	EPA 200.7-Diss	6H17179	15	20	ND	1	08/17/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1933-01 (PT-INF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H21092	10	10	**22**	1	08/21/06	08/21/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H18109	0.43	0.50	**3.6**	1	08/18/06	08/18/06	
Alkalinity as CaCO3	EPA 310.1	6H18115	2.0	2.0	**190**	1	08/18/06	08/18/06	
Ammonia-N (Distilled)	EPA 350.2	6H17123	0.30	0.50	ND	1	08/17/06	08/17/06	
Hardness (as CaCO3)	SM2340B	6H18066	1.0	1.0	**200**	1	08/18/06	08/21/06	
Nitrate-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18044	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H18065	0.90	4.8	ND	1	08/18/06	08/18/06	
Phosphate (PO4)	EPA 300.0	6H18044	N/A	0.50	ND	1	08/18/06	08/18/06	
Sulfate	EPA 300.0	6H18044	2.2	2.5	**96**	5	08/18/06	08/18/06	
Total Dissolved Solids	SM2540C	6H18084	10	10	**380**	1	08/18/06	08/18/06	
Total Organic Carbon	EPA 415.1	6H20028	0.50	1.0	**11**	1	08/20/06	08/20/06	
Total Suspended Solids	EPA 160.2	6H17181	10	10	**22**	1	08/17/06	08/17/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**8.8**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18122	N/A	NA	**8.33**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1933-01 (PT-INF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H18075	N/A	1.0	**620**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PT-INF (IPH1933-01) - Water					
EPA 150.1	1	08/17/2006 10:30	08/17/2006 19:20	08/18/2006 11:30	08/18/2006 12:05
EPA 180.1	2	08/17/2006 10:30	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 10:30	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 13:01
Filtration	1	08/17/2006 10:30	08/17/2006 19:20	08/17/2006 21:54	08/17/2006 21:55

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Calcium	ND	0.10	N/A	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Magnesium	ND	0.020	N/A	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	17.7	20	15	ug/l							*J*
LCS Analyzed: 08/19/2006 (6H18066-BS1)											
Arsenic	463	5.0	4.4	ug/l	500		93	85-115			
Beryllium	470	2.0	0.90	ug/l	500		94	85-115			
Chromium	466	5.0	2.0	ug/l	500		93	85-115			
Iron	0.508	0.040	0.015	mg/l	0.500		102	85-115			
Manganese	454	20	7.0	ug/l	500		91	85-115			
Nickel	466	10	2.0	ug/l	500		93	85-115			
Zinc	439	20	15	ug/l	500		88	85-115			
Matrix Spike Analyzed: 08/19/2006 (6H18066-MS1)						**Source: IPH1225-01**					
Arsenic	483	5.0	4.4	ug/l	500	ND	97	70-130			
Beryllium	481	2.0	0.90	ug/l	500	ND	96	70-130			
Chromium	474	5.0	2.0	ug/l	500	3.6	94	70-130			
Iron	0.685	0.040	0.015	mg/l	0.500	0.18	101	70-130			
Manganese	473	20	7.0	ug/l	500	ND	95	70-130			
Nickel	455	10	2.0	ug/l	500	ND	91	70-130			
Zinc	484	20	15	ug/l	500	20	93	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Matrix Spike Dup Analyzed: 08/19/2006 (6H18066-MSD1)						**Source: IPH1225-01**					
Arsenic	485	5.0	4.4	ug/l	500	ND	97	70-130	0	20	
Beryllium	488	2.0	0.90	ug/l	500	ND	98	70-130	1	20	
Chromium	479	5.0	2.0	ug/l	500	3.6	95	70-130	1	20	
Iron	0.703	0.040	0.015	mg/l	0.500	0.18	105	70-130	3	20	
Manganese	471	20	7.0	ug/l	500	ND	94	70-130	0	20	
Nickel	462	10	2.0	ug/l	500	ND	92	70-130	2	20	
Zinc	470	20	15	ug/l	500	20	90	70-130	3	20	
Batch: 6H18069 Extracted: 08/18/06											
Blank Analyzed: 08/21/2006 (6H18069-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: 08/21/2006 (6H18069-BS1)											
Antimony	79.1	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	80.1	1.0	0.025	ug/l	80.0		100	85-115			
Copper	79.6	2.0	0.25	ug/l	80.0		100	85-115			
Lead	78.8	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.6	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.0	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	80.0	1.0	0.15	ug/l	80.0		100	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18069 Extracted: 08/18/06											
Matrix Spike Analyzed: 08/21/2006 (6H18069-MS1)						**Source: IPH1198-01**					
Antimony	82.9	2.0	0.050	ug/l	80.0	ND	104	70-130			
Cadmium	81.4	1.0	0.025	ug/l	80.0	ND	102	70-130			
Copper	73.1	2.0	0.25	ug/l	80.0	0.61	91	70-130			
Lead	76.5	1.0	0.040	ug/l	80.0	ND	96	70-130			
Selenium	84.1	2.0	0.30	ug/l	80.0	2.0	103	70-130			
Silver	74.0	1.0	0.025	ug/l	80.0	0.041	92	70-130			
Thallium	77.8	1.0	0.15	ug/l	80.0	0.21	97	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H18069-MSD1)						**Source: IPH1198-01**					
Antimony	83.2	2.0	0.050	ug/l	80.0	ND	104	70-130	0	20	
Cadmium	81.3	1.0	0.025	ug/l	80.0	ND	102	70-130	0	20	
Copper	73.0	2.0	0.25	ug/l	80.0	0.61	90	70-130	0	20	
Lead	75.0	1.0	0.040	ug/l	80.0	ND	94	70-130	2	20	
Selenium	83.9	2.0	0.30	ug/l	80.0	2.0	102	70-130	0	20	
Silver	74.6	1.0	0.025	ug/l	80.0	0.041	93	70-130	1	20	
Thallium	76.6	1.0	0.15	ug/l	80.0	0.21	95	70-130	2	20	
Batch: 6H21067 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21067-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21067-BS1)											
Mercury	7.31	0.20	0.15	ug/l	8.00		91	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21067-MS1)						**Source: IPH1919-01**					
Mercury	7.14	0.20	0.15	ug/l	8.00	ND	89	70-130			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21067 Extracted: 08/21/06											
Matrix Spike Dup Analyzed: 08/21/2006 (6H21067-MSD1)						**Source: IPH1919-01**					
Mercury	7.20	0.20	0.15	ug/l	8.00	ND	90	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17179 Extracted: 08/17/06											
Blank Analyzed: 08/18/2006 (6H17179-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/18/2006 (6H17179-BS1)											
Arsenic	956	5.0	4.4	ug/l	1000		96	85-115			
Beryllium	964	2.0	0.90	ug/l	1000		96	85-115			
Chromium	954	5.0	2.0	ug/l	1000		95	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	944	20	7.0	ug/l	1000		94	85-115			
Nickel	992	10	2.0	ug/l	1000		99	85-115			
Zinc	950	20	15	ug/l	1000		95	85-115			
Matrix Spike Analyzed: 08/18/2006 (6H17179-MS1)						**Source: IPH1928-01**					
Arsenic	973	5.0	4.4	ug/l	1000	ND	97	70-130			
Beryllium	983	2.0	0.90	ug/l	1000	ND	98	70-130			
Chromium	950	5.0	2.0	ug/l	1000	ND	95	70-130			
Iron	1.01	0.040	0.015	mg/l	1.00	ND	101	70-130			
Manganese	947	20	7.0	ug/l	1000	ND	95	70-130			
Nickel	957	10	2.0	ug/l	1000	2.8	95	70-130			
Zinc	924	20	15	ug/l	1000	ND	92	70-130			
Matrix Spike Dup Analyzed: 08/18/2006 (6H17179-MSD1)						**Source: IPH1928-01**					
Arsenic	991	5.0	4.4	ug/l	1000	ND	99	70-130	2	20	
Beryllium	981	2.0	0.90	ug/l	1000	ND	98	70-130	0	20	
Chromium	964	5.0	2.0	ug/l	1000	ND	96	70-130	1	20	
Iron	1.03	0.040	0.015	mg/l	1.00	ND	103	70-130	2	20	
Manganese	942	20	7.0	ug/l	1000	ND	94	70-130	1	20	
Nickel	972	10	2.0	ug/l	1000	2.8	97	70-130	2	20	
Zinc	953	20	15	ug/l	1000	ND	95	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18070 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18070-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: 08/20/2006 (6H18070-BS1)											
Antimony	80.0	2.0	0.050	ug/l	80.0		100	85-115			
Cadmium	80.5	1.0	0.025	ug/l	80.0		101	85-115			
Copper	82.1	2.0	0.25	ug/l	80.0		103	85-115			
Lead	79.4	1.0	0.040	ug/l	80.0		99	85-115			
Selenium	80.0	2.0	0.30	ug/l	80.0		100	85-115			
Silver	80.4	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	68.8	1.0	0.15	ug/l	80.0		86	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18070-MS1)						**Source: IPH1928-01**					
Antimony	79.1	2.0	0.050	ug/l	80.0	0.47	98	70-130			
Cadmium	76.1	1.0	0.025	ug/l	80.0	ND	95	70-130			
Copper	77.6	2.0	0.25	ug/l	80.0	0.87	96	70-130			
Lead	78.6	1.0	0.040	ug/l	80.0	ND	98	70-130			
Selenium	77.9	2.0	0.30	ug/l	80.0	ND	97	70-130			
Silver	76.0	1.0	0.025	ug/l	80.0	ND	95	70-130			
Thallium	68.3	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18070-MSD1)						**Source: IPH1928-01**					
Antimony	79.7	2.0	0.050	ug/l	80.0	0.47	99	70-130	1	20	
Cadmium	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	0	20	
Copper	77.9	2.0	0.25	ug/l	80.0	0.87	96	70-130	0	20	
Lead	79.6	1.0	0.040	ug/l	80.0	ND	100	70-130	1	20	
Selenium	78.2	2.0	0.30	ug/l	80.0	ND	98	70-130	0	20	
Silver	76.4	1.0	0.025	ug/l	80.0	ND	96	70-130	1	20	
Thallium	69.3	1.0	0.15	ug/l	80.0	ND	87	70-130	1	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H21068 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21068-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/21/2006 (6H21068-BS1)											
Mercury	8.32	0.20	0.15	ug/l	8.00		104	85-115			
Matrix Spike Analyzed: 08/21/2006 (6H21068-MS1)						**Source: IPH2077-01**					
Mercury	7.58	0.20	0.15	ug/l	8.00	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/21/2006 (6H21068-MSD1)						**Source: IPH2077-01**					
Mercury	7.78	0.20	0.15	ug/l	8.00	ND	97	70-130	3	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H17123 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17123-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 08/17/2006 (6H17123-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/17/2006 (6H17123-MS1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.3	0.50	0.30	mg/l	10.0	2.2	101	70-120			
Matrix Spike Dup Analyzed: 08/17/2006 (6H17123-MSD1)						**Source: IPH1045-01**					
Ammonia-N (Distilled)	12.6	0.50	0.30	mg/l	10.0	2.2	104	70-120	2	15	
Batch: 6H17181 Extracted: 08/17/06											
Blank Analyzed: 08/17/2006 (6H17181-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/17/2006 (6H17181-BS1)											
Total Suspended Solids	944	10	10	mg/l	1000		94	85-115			
Duplicate Analyzed: 08/17/2006 (6H17181-DUP1)						**Source: IPH1889-01**					
Total Suspended Solids	188	10	10	mg/l		220			16	10	*R-3*
Batch: 6H18044 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Phosphate (PO4)	ND	0.50	N/A	mg/l							
Sulfate	ND	0.50	0.45	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18044 Extracted: 08/18/06											
LCS Analyzed: 08/18/2006 (6H18044-BS1)											
Nitrate-N	1.18	0.15	0.080	mg/l	1.13		104	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Phosphate (PO4)	5.08	0.50	N/A	mg/l	5.00		102	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			
Matrix Spike Analyzed: 08/18/2006 (6H18044-MS1)						**Source: IPH1923-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.69	0.75	0.40	mg/l	1.52	ND	111	80-120			
Phosphate (PO4)	5.24	2.5	N/A	mg/l	5.00	ND	105	80-120			
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18044-MSD1)						**Source: IPH1923-01**					
Nitrate-N	1.13	0.75	0.40	mg/l	1.13	ND	100	80-120	3	20	
Nitrite-N	1.59	0.75	0.40	mg/l	1.52	ND	105	80-120	6	20	
Phosphate (PO4)	5.36	2.5	N/A	mg/l	5.00	ND	107	80-120	2	20	
Sulfate	97.6	2.5	2.2	mg/l	10.0	89	86	80-120	0	20	
Batch: 6H18065 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18065-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/18/2006 (6H18065-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/18/2006 (6H18065-BSD1)											
Oil & Grease	19.2	5.0	0.94	mg/l	20.0		96	65-120	4	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18066 Extracted: 08/18/06											
Blank Analyzed: 08/19/2006 (6H18066-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6H18075 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18075-DUP1)						**Source: IPH1459-01**					
Specific Conductance	569	1.0	N/A	umhos/cm		570			0	5	
Batch: 6H18084 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18084-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/18/2006 (6H18084-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/18/2006 (6H18084-DUP1)						**Source: IPH1928-01**					
Total Dissolved Solids	368	10	10	mg/l		370			1	10	
Batch: 6H18109 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18109-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/18/2006 (6H18109-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18109 Extracted: 08/18/06											
LCS Dup Analyzed: 08/18/2006 (6H18109-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/18/2006 (6H18109-MS1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	1.1	98	85-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18109-MSD1)						**Source: IPH1127-01**					
Total Kjeldahl Nitrogen	10.6	0.50	0.43	mg/l	10.0	1.1	95	85-120	3	15	
Batch: 6H18115 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18115-DUP1)						**Source: IPH1066-06**					
Alkalinity as CaCO3	320	2.0	2.0	mg/l		320			0	20	
Reference Analyzed: 08/18/2006 (6H18115-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP1)						**Source: IPH1901-01**					
pH	7.33	NA	N/A	pH Units		7.31			0	5	
Duplicate Analyzed: 08/18/2006 (6H18122-DUP2)						**Source: IPH1943-04**					
pH	7.79	NA	N/A	pH Units		7.71			1	5	
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18144 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H20028 Extracted: 08/20/06											
Blank Analyzed: 08/20/2006 (6H20028-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/20/2006 (6H20028-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/20/2006 (6H20028-MS1)						**Source: IPH1488-01**					
Total Organic Carbon	5.91	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/20/2006 (6H20028-MSD1)						**Source: IPH1488-01**					
Total Organic Carbon	6.09	1.0	0.50	mg/l	5.00	ND	122	80-120	3	20	*M1*

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1933

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

IPH1933

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANACH	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N), Phosphate	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Comments
PT-INF	W	Poly-1L	1	8-17-06 10:30	HNO3	1	X														
PT-INF	W	Poly-1L	1		None	2		X													
PT-INF	W	VOAs	2		HCl	3A, 3B			X												
PT-INF	W	1L Amber	2		HCl	4A, 4B				X											
PT-INF	W	Poly-500 ml	1		H2SO4	5					X										
PT-INF	W	Poly-500 ml	1		None	6						X									
PT-INF	W	Poly-500 ml	2		None	7A, 7B							X								
PT-INF	W	Poly-500 ml	1	8-17-06 10:30	H2SO4	8								X							
PT-INF	W	Poly-1L	1	8-17-06	None	9									X						

Field readings: Temp = 72 ② pH= 7.7

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	8-17-06 1530	[signature] TAI	8/17/06 1530
[signature] TAI	8/17/06 1920	[signature]	8/17/06 1920

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours X 10 Days _____
72 Hours _____ Normal _____
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 5°C

DN2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/17/06
Received: 08/17/06
Issued: 09/16/06 11:53

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IPH1934-01	S-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H28101	0.015	0.040	**0.049**	1	08/28/06	08/29/06	
Sample ID: IPH1934-01 (S-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H25062	0.050	2.0	**0.48**	1	08/25/06	08/26/06	J
Arsenic	EPA 200.7	6H24145	4.4	5.0	ND	1	08/24/06	08/25/06	
Beryllium	EPA 200.7	6H24145	0.90	2.0	ND	1	08/24/06	08/25/06	
Cadmium	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Chromium	EPA 200.7	6H24145	2.0	5.0	ND	1	08/24/06	08/25/06	
Copper	EPA 200.8	6H25062	0.25	2.0	**0.59**	1	08/25/06	08/26/06	J, B
Lead	EPA 200.8	6H25062	0.040	1.0	**0.10**	1	08/25/06	08/26/06	J
Manganese	EPA 200.7	6H24145	7.0	20	**15**	1	08/24/06	08/25/06	J
Mercury	EPA 245.1	6H22090	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7	6H24145	2.0	10	ND	1	08/24/06	08/25/06	
Selenium	EPA 200.8	6H25062	0.30	2.0	ND	1	08/25/06	08/26/06	
Silver	EPA 200.8	6H25062	0.025	1.0	ND	1	08/25/06	08/26/06	
Thallium	EPA 200.8	6H25062	0.15	1.0	ND	1	08/25/06	08/26/06	
Zinc	EPA 200.7	6H24145	15	20	ND	1	08/24/06	08/25/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H18133	0.015	0.040	ND	1	08/18/06	08/20/06	
Sample ID: IPH1934-01 (S-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H25064	0.050	2.0	**0.48**	1	08/25/06	08/25/06	J
Arsenic	EPA 200.7-Diss	6H18133	4.4	5.0	ND	1	08/18/06	09/11/06	
Beryllium	EPA 200.7-Diss	6H18133	0.90	2.0	ND	1	08/18/06	08/20/06	
Cadmium	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Chromium	EPA 200.7-Diss	6H18133	2.0	5.0	ND	1	08/18/06	08/20/06	
Copper	EPA 200.8-Diss	6H25064	0.25	2.0	**1.5**	1	08/25/06	08/25/06	J
Lead	EPA 200.8-Diss	6H25064	0.040	1.0	ND	1	08/25/06	08/25/06	
Manganese	EPA 200.7-Diss	6H18133	7.0	20	ND	1	08/18/06	08/20/06	
Mercury	EPA 245.1-Diss	6H22092	0.15	0.20	ND	1	08/22/06	08/22/06	
Nickel	EPA 200.7-Diss	6H18133	2.0	10	**2.5**	1	08/18/06	08/20/06	J
Selenium	EPA 200.8-Diss	6H25064	0.30	2.0	**0.30**	1	08/25/06	08/25/06	J
Silver	EPA 200.8-Diss	6H25064	0.025	1.0	ND	1	08/25/06	08/25/06	
Thallium	EPA 200.8-Diss	6H25064	0.15	1.0	ND	1	08/25/06	08/25/06	
Zinc	EPA 200.7-Diss	6H18133	15	20	ND	1	08/18/06	08/20/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H18157	N/A	NA	**1.0**	1	08/18/06	08/18/06	
Sample ID: IPH1934-01 (S-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6H28057	10	10	ND	1	08/28/06	08/28/06	
Total Kjeldahl Nitrogen	EPA 351.3	6H28105	0.43	0.50	**2.8**	1	08/28/06	08/28/06	
Alkalinity as CaCO3	EPA 310.1	6H25117	2.0	2.0	**190**	1	08/25/06	08/25/06	
Ammonia-N (Distilled)	EPA 350.2	6H22156	0.30	0.50	**1.1**	1	08/22/06	08/22/06	
Hardness (as CaCO3)	SM2340B	6H24145	1.0	1.0	**200**	1	08/24/06	08/25/06	
Nitrate-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Nitrate/Nitrite-N	EPA 300.0	6H18116	0.080	0.15	ND	1	08/18/06	08/18/06	
Oil & Grease	EPA 413.1	6H21052	0.89	4.7	ND	1	08/21/06	08/21/06	
Sulfate	EPA 300.0	6H18116	2.2	2.5	**94**	5	08/18/06	08/19/06	
Total Dissolved Solids	SM2540C	6H24071	10	10	**380**	1	08/24/06	08/24/06	
Total Organic Carbon	EPA 415.1	6H23157	0.50	1.0	**11**	1	08/23/06	08/23/06	
Total Suspended Solids	EPA 160.2	6H23124	10	10	ND	1	08/23/06	08/23/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H18144	0.040	1.0	**1.7**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H18122	N/A	NA	**8.18**	1	08/18/06	08/18/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH1934-01 (S-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H24064	N/A	1.0	**630**	1	08/24/06	08/24/06	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: S-EFF (IPH1934-01) - Water					
EPA 150.1	1	08/17/2006 11:20	08/17/2006 19:20	08/18/2006 11:30	08/18/2006 12:05
EPA 180.1	2	08/17/2006 11:20	08/17/2006 19:20	08/18/2006 16:00	08/18/2006 17:15
EPA 300.0	2	08/17/2006 11:20	08/17/2006 19:20	08/18/2006 07:00	08/18/2006 19:58
Filtration	1	08/17/2006 11:20	08/17/2006 19:20	08/18/2006 15:00	08/18/2006 15:00

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22090 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22090-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22090-BS1)											
Mercury	7.55	0.20	0.15	ug/l	8.00		94	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22090-MS1)						**Source: IPH2200-01**					
Mercury	6.28	0.20	0.15	ug/l	8.00	ND	78	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22090-MSD1)						**Source: IPH2200-01**					
Mercury	6.32	0.20	0.15	ug/l	8.00	ND	79	70-130	1	20	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	2.0	ug/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/25/2006 (6H24145-BS1)											
Arsenic	469	5.0	4.4	ug/l	500		94	85-115			
Beryllium	476	2.0	0.90	ug/l	500		95	85-115			
Chromium	467	5.0	2.0	ug/l	500		93	85-115			
Manganese	467	20	7.0	ug/l	500		93	85-115			
Nickel	462	10	2.0	ug/l	500		92	85-115			
Zinc	454	20	15	ug/l	500		91	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H24145 Extracted: 08/24/06											
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS1)						**Source: IPH1923-01**					
Arsenic	488	5.0	4.4	ug/l	500	ND	98	70-130			
Beryllium	489	2.0	0.90	ug/l	500	ND	98	70-130			
Chromium	481	5.0	2.0	ug/l	500	ND	96	70-130			
Manganese	545	20	7.0	ug/l	500	57	98	70-130			
Nickel	477	10	2.0	ug/l	500	ND	95	70-130			
Zinc	486	20	15	ug/l	500	ND	97	70-130			
Matrix Spike Analyzed: 08/25/2006 (6H24145-MS2)						**Source: IPH1924-01**					
Arsenic	505	5.0	4.4	ug/l	500	ND	101	70-130			
Beryllium	498	2.0	0.90	ug/l	500	ND	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Manganese	553	20	7.0	ug/l	500	55	100	70-130			
Nickel	489	10	2.0	ug/l	500	ND	98	70-130			
Zinc	516	20	15	ug/l	500	ND	103	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H24145-MSD1)						**Source: IPH1923-01**					
Arsenic	472	5.0	4.4	ug/l	500	ND	94	70-130	3	20	
Beryllium	486	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Chromium	467	5.0	2.0	ug/l	500	ND	93	70-130	3	20	
Manganese	525	20	7.0	ug/l	500	57	94	70-130	4	20	
Nickel	464	10	2.0	ug/l	500	ND	93	70-130	3	20	
Zinc	465	20	15	ug/l	500	ND	93	70-130	4	20	
Batch: 6H25062 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006-08/26/2006 (6H25062-BLK1)											
Antimony	ND	2.0	0.050	ug/l							
Cadmium	ND	1.0	0.025	ug/l							
Copper	0.347	2.0	0.25	ug/l							*J*
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							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25062 Extracted: 08/25/06											
LCS Analyzed: 08/25/2006 (6H25062-BS1)											
Antimony	79.4	2.0	0.050	ug/l	80.0		99	85-115			
Cadmium	76.5	1.0	0.025	ug/l	80.0		96	85-115			
Copper	77.4	2.0	0.25	ug/l	80.0		97	85-115			
Lead	77.4	1.0	0.040	ug/l	80.0		97	85-115			
Selenium	76.0	2.0	0.30	ug/l	80.0		95	85-115			
Silver	77.0	1.0	0.025	ug/l	80.0		96	85-115			
Thallium	73.7	1.0	0.15	ug/l	80.0		92	85-115			
Matrix Spike Analyzed: 08/25/2006 (6H25062-MS1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130			
Cadmium	75.2	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	77.1	2.0	0.25	ug/l	80.0	5.0	90	70-130			
Lead	73.9	1.0	0.040	ug/l	80.0	0.38	92	70-130			
Selenium	80.3	2.0	0.30	ug/l	80.0	5.3	94	70-130			
Silver	73.0	1.0	0.025	ug/l	80.0	ND	91	70-130			
Thallium	71.2	1.0	0.15	ug/l	80.0	ND	89	70-130			
Matrix Spike Analyzed: 08/26/2006 (6H25062-MS2)						**Source: IPH2676-02**					
Antimony	79.0	2.0	0.050	ug/l	80.0	0.16	99	70-130			
Cadmium	75.0	1.0	0.025	ug/l	80.0	ND	94	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	2.9	86	70-130			
Lead	75.0	1.0	0.040	ug/l	80.0	0.16	94	70-130			
Selenium	79.0	2.0	0.30	ug/l	80.0	4.6	93	70-130			
Silver	72.4	1.0	0.025	ug/l	80.0	0.034	90	70-130			
Thallium	76.2	1.0	0.15	ug/l	80.0	ND	95	70-130			
Matrix Spike Dup Analyzed: 08/26/2006 (6H25062-MSD1)						**Source: IPH2676-01**					
Antimony	79.9	2.0	0.050	ug/l	80.0	0.10	100	70-130	0	20	
Cadmium	75.8	1.0	0.025	ug/l	80.0	ND	95	70-130	1	20	
Copper	72.9	2.0	0.25	ug/l	80.0	5.0	85	70-130	6	20	
Lead	76.2	1.0	0.040	ug/l	80.0	0.38	95	70-130	3	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	5.3	94	70-130	1	20	
Silver	73.1	1.0	0.025	ug/l	80.0	ND	91	70-130	0	20	
Thallium	77.2	1.0	0.15	ug/l	80.0	ND	96	70-130	8	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28101 Extracted: 08/28/06											
Blank Analyzed: 08/29/2006 (6H28101-BLK1)											
Iron	ND	0.040	0.015	mg/l							
LCS Analyzed: 08/29/2006 (6H28101-BS1)											
Iron	0.490	0.040	0.015	mg/l	0.500		98	85-115			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS1)						**Source: IPH2311-01**					
Iron	0.500	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Analyzed: 08/29/2006 (6H28101-MS2)						**Source: IPH2313-01**					
Iron	0.501	0.040	0.015	mg/l	0.500	ND	100	70-130			
Matrix Spike Dup Analyzed: 08/29/2006 (6H28101-MSD1)						**Source: IPH2311-01**					
Iron	0.477	0.040	0.015	mg/l	0.500	ND	95	70-130	5	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18133 Extracted: 08/18/06											
Blank Analyzed: 08/20/2006 (6H18133-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 08/20/2006 (6H18133-BS1)											
Arsenic	973	5.0	4.4	ug/l	1000		97	85-115			
Beryllium	971	2.0	0.90	ug/l	1000		97	85-115			
Chromium	955	5.0	2.0	ug/l	1000		96	85-115			
Iron	0.964	0.040	0.015	mg/l	1.00		96	85-115			
Manganese	972	20	7.0	ug/l	1000		97	85-115			
Nickel	958	10	2.0	ug/l	1000		96	85-115			
Zinc	983	20	15	ug/l	1000		98	85-115			
Matrix Spike Analyzed: 08/20/2006 (6H18133-MS1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130			
Beryllium	991	2.0	0.90	ug/l	1000	ND	99	70-130			
Chromium	976	5.0	2.0	ug/l	1000	ND	98	70-130			
Iron	0.975	0.040	0.015	mg/l	1.00	ND	98	70-130			
Manganese	990	20	7.0	ug/l	1000	ND	99	70-130			
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Dup Analyzed: 08/20/2006 (6H18133-MSD1)						**Source: IPH1926-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	0	20	
Beryllium	999	2.0	0.90	ug/l	1000	ND	100	70-130	1	20	
Chromium	975	5.0	2.0	ug/l	1000	ND	98	70-130	0	20	
Iron	0.976	0.040	0.015	mg/l	1.00	ND	98	70-130	0	20	
Manganese	980	20	7.0	ug/l	1000	ND	98	70-130	1	20	
Nickel	961	10	2.0	ug/l	1000	2.1	96	70-130	0	20	
Zinc	1020	20	15	ug/l	1000	ND	102	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22092 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22092-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/22/2006 (6H22092-BS1)											
Mercury	7.39	0.20	0.15	ug/l	8.00		92	85-115			
Matrix Spike Analyzed: 08/22/2006 (6H22092-MS1)						**Source: IPH2200-01**					
Mercury	6.47	0.20	0.15	ug/l	8.00	ND	81	70-130			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22092-MSD1)						**Source: IPH2200-01**					
Mercury	6.43	0.20	0.15	ug/l	8.00	ND	80	70-130	1	20	
Batch: 6H25064 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25064-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	0.0582	1.0	0.040	ug/l							*J*
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: 08/25/2006 (6H25064-BS1)											
Antimony	80.5	2.0	0.050	ug/l	80.0		101	85-115			
Cadmium	78.3	1.0	0.025	ug/l	80.0		98	85-115			
Copper	79.1	2.0	0.25	ug/l	80.0		99	85-115			
Lead	78.0	1.0	0.040	ug/l	80.0		98	85-115			
Selenium	79.3	2.0	0.30	ug/l	80.0		99	85-115			
Silver	78.6	1.0	0.025	ug/l	80.0		98	85-115			
Thallium	75.0	1.0	0.15	ug/l	80.0		94	85-115			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25064 Extracted: 08/25/06											
Matrix Spike Analyzed: 08/25/2006 (6H25064-MS1)						**Source: IPH1926-01**					
Antimony	80.4	2.0	0.050	ug/l	80.0	0.55	100	70-130			
Cadmium	74.5	1.0	0.025	ug/l	80.0	ND	93	70-130			
Copper	76.8	2.0	0.25	ug/l	80.0	0.75	95	70-130			
Lead	75.3	1.0	0.040	ug/l	80.0	0.045	94	70-130			
Selenium	75.6	2.0	0.30	ug/l	80.0	0.36	94	70-130			
Silver	73.8	1.0	0.025	ug/l	80.0	ND	92	70-130			
Thallium	72.3	1.0	0.15	ug/l	80.0	0.18	90	70-130			
Matrix Spike Dup Analyzed: 08/25/2006 (6H25064-MSD1)						**Source: IPH1926-01**					
Antimony	80.3	2.0	0.050	ug/l	80.0	0.55	100	70-130	0	20	
Cadmium	75.3	1.0	0.025	ug/l	80.0	ND	94	70-130	1	20	
Copper	77.7	2.0	0.25	ug/l	80.0	0.75	96	70-130	1	20	
Lead	76.0	1.0	0.040	ug/l	80.0	0.045	95	70-130	1	20	
Selenium	75.9	2.0	0.30	ug/l	80.0	0.36	94	70-130	0	20	
Silver	74.1	1.0	0.025	ug/l	80.0	ND	93	70-130	0	20	
Thallium	72.6	1.0	0.15	ug/l	80.0	0.18	91	70-130	0	20	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18116 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18116-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/18/2006 (6H18116-BS1)											
Nitrate-N	1.20	0.15	0.080	mg/l	1.13		106	90-110			
Nitrite-N	1.50	0.15	0.080	mg/l	1.52		99	90-110			
Sulfate	10.0	0.50	0.45	mg/l	10.0		100	90-110			*M-3*
Matrix Spike Analyzed: 08/18/2006 (6H18116-MS1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120			
Nitrite-N	1.81	0.15	0.080	mg/l	1.52	ND	119	80-120			
Matrix Spike Dup Analyzed: 08/18/2006 (6H18116-MSD1)						**Source: IPH1897-01**					
Nitrate-N	3.59	0.15	0.080	mg/l	1.13	2.5	96	80-120	0	20	
Nitrite-N	1.79	0.15	0.080	mg/l	1.52	ND	118	80-120	1	20	
Batch: 6H18122 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18122-DUP1)						**Source: IPH1901-01**					
pH	7.33	NA	N/A	pH Units		7.31			0	5	
Duplicate Analyzed: 08/18/2006 (6H18122-DUP2)						**Source: IPH1943-04**					
pH	7.79	NA	N/A	pH Units		7.71			1	5	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H18144 Extracted: 08/18/06											
Blank Analyzed: 08/18/2006 (6H18144-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/18/2006 (6H18144-DUP1)						**Source: IPH1869-01**					
Turbidity	0.0900	1.0	0.040	NTU		0.11			20	20	*J*
Duplicate Analyzed: 08/18/2006 (6H18144-DUP2)						**Source: IPH1927-01**					
Turbidity	4.44	1.0	0.040	NTU		4.4			1	20	
Batch: 6H18157 Extracted: 08/18/06											
Duplicate Analyzed: 08/18/2006 (6H18157-DUP1)						**Source: IPH1923-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	
Batch: 6H21052 Extracted: 08/21/06											
Blank Analyzed: 08/21/2006 (6H21052-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/21/2006 (6H21052-BS1)											**M-NR1**
Oil & Grease	18.4	5.0	0.94	mg/l	20.0		92	65-120			
LCS Dup Analyzed: 08/21/2006 (6H21052-BSD1)											
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120	2	20	
Batch: 6H22156 Extracted: 08/22/06											
Blank Analyzed: 08/22/2006 (6H22156-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H22156 Extracted: 08/22/06											
LCS Analyzed: 08/22/2006 (6H22156-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 08/22/2006 (6H22156-MS1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.84	101	70-120			
Matrix Spike Dup Analyzed: 08/22/2006 (6H22156-MSD1)						**Source: IPH1923-01**					
Ammonia-N (Distilled)	10.6	0.50	0.30	mg/l	10.0	0.84	98	70-120	3	15	
Batch: 6H23124 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23124-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/23/2006 (6H23124-BS1)											
Total Suspended Solids	898	10	10	mg/l	1000		90	85-115			
Duplicate Analyzed: 08/23/2006 (6H23124-DUP1)						**Source: IPH2326-01**					
Total Suspended Solids	18.0	10	10	mg/l		18			0	10	
Batch: 6H23157 Extracted: 08/23/06											
Blank Analyzed: 08/23/2006 (6H23157-BLK1)											
Total Organic Carbon	ND	1.0	0.25	mg/l							
LCS Analyzed: 08/23/2006 (6H23157-BS1)											
Total Organic Carbon	10.6	1.0	0.25	mg/l	10.0		106	90-110			

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H23157 Extracted: 08/23/06											
Matrix Spike Analyzed: 08/23/2006 (6H23157-MS1)						**Source: IPH1886-03**					
Total Organic Carbon	12.1	1.0	0.25	mg/l	5.00	7.1	100	80-120			
Matrix Spike Dup Analyzed: 08/23/2006 (6H23157-MSD1)						**Source: IPH1886-03**					
Total Organic Carbon	12.2	1.0	0.25	mg/l	5.00	7.1	102	80-120	1	20	
Batch: 6H24064 Extracted: 08/24/06											
Duplicate Analyzed: 08/24/2006 (6H24064-DUP1)						**Source: IPH2522-01**					
Specific Conductance	561	1.0	N/A	umhos/cm		560			0	5	
Batch: 6H24071 Extracted: 08/24/06											
Blank Analyzed: 08/24/2006 (6H24071-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/24/2006 (6H24071-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 08/24/2006 (6H24071-DUP1)						**Source: IPH1943-01**					
Total Dissolved Solids	322	10	10	mg/l		320			1	10	
Batch: 6H24145 Extracted: 08/24/06											
Blank Analyzed: 08/25/2006 (6H24145-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25117 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25117-DUP1)						**Source: IPH2676-01**					
Alkalinity as CaCO3	280	2.0	2.0	mg/l		280			0	20	
Reference Analyzed: 08/25/2006 (6H25117-SRM1)											
Alkalinity as CaCO3	228	2.0	2.0	mg/l	231		99	90-110			
Batch: 6H28105 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28105-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 08/28/2006 (6H28105-BS1)											
Total Kjeldahl Nitrogen	19.6	0.50	0.43	mg/l	20.0		98	85-120			
LCS Dup Analyzed: 08/28/2006 (6H28105-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	2	15	
Matrix Spike Analyzed: 08/28/2006 (6H28105-MS1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	11.2	0.50	0.43	mg/l	10.0	ND	112	85-120			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28105-MSD1)						**Source: IPH1929-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	ND	109	85-120	3	15	

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

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.
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH1934

Sampled: 08/17/06
Received: 08/17/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	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

TestAmerica - Irvine, CA
Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

IPH1934

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn						Field readings: Temp = 72 pH= 7.5 Comments
S-EFF	W	Poly-1L	1	8-17-06 11:20	HNO3	1	X														
S-EFF	W	Poly-1L	1		None	2		X													
S-EFF	W	VOAs	2		HCl	3A, 3B			X												
S-EFF	W	1L Amber	2		HCl	4A, 4B				X											
S-EFF	W	Poly-500 ml	1		H2SO4	5					X										
S-EFF	W	Poly-500 ml	1		None	6						X									
S-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
S-EFF	W	Poly-500 ml	1		H2SO4	8								X							
S-EFF	W	Poly-1L	1	8-17-06 11:20	None	9									X						

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 8-17-06	1530	[signature] TAI	8/17/06 1530
[signature] TAI	8/17/06 1920	[signature]	8/17/06 1920
Relinquished By	Date/Time:	Received By	Date/Time:

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: S

DM2140

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 14:56

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2666-01	V-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.16**	1	08/30/06	09/02/06	
Sample ID: IPH2666-01 (V-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.42**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	ND	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**1.3**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.27**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**43**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	ND	1	08/30/06	09/01/06	
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2666-01 (V-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.52**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**4.6**	1	08/25/06	09/02/06	J
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**1.0**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	**2.0**	1	08/25/06	09/02/06	J
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.39**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2666-01 (V-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	**12**	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.2**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**180**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**0.56**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**91**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**350**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29101	0.50	1.0	**12**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	**12**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**4.5**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.62**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2666-01 (V-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**620**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: V-EFF (IPH2666-01) - Water					
EPA 150.1	1	08/24/2006 09:45	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:45	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:45	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 13:46
Filtration	1	08/24/2006 09:45	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29101 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29101-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29101-BS1)											
Total Organic Carbon	11.0	1.0	0.50	mg/l	10.0		110	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29101-MS1)						**Source: IPH2366-01**					
Total Organic Carbon	6.91	1.0	0.50	mg/l	5.00	1.3	112	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29101-MSD1)						**Source: IPH2366-01**					
Total Organic Carbon	6.70	1.0	0.50	mg/l	5.00	1.3	108	80-120	3	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2666

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2666-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

IPH266

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:

MWH-Pasadena
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101

Project Manager: Bronwyn Kelly

Sampler: BANAGA

Project:
Boeing-SSFL BMP/NPDES
R-2A Pond Filtration Pilot Test

Phone Number:
(626) 568-6691
Fax Number:
(626) 568-6515

Field readings: Temp = 78; pH = 8.2

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)	Comments
V-EFF	W	Poly-1L	1	9:45	HNO3	1	X										
V-EFF	W	Poly-1L	1		None	2		X									
V-EFF	W	VOAs	2		HCl	3A, 3B			X								
V-EFF	W	1L Amber	2		HCl	4A, 4B				X							
V-EFF	W	Poly-500 ml	1		H2SO4	5					X						
V-EFF	W	Poly-500 ml	1		None	6						X					
V-EFF	W	Poly-500 ml	2		None	7A, 7B							X				
V-EFF	W	Poly-500 ml	1		H2SO4	8								X			
V-EFF	W	Poly-1L	1		None	9									X		
V-EFF	W	1L Amber	2		None	10A, 10B										X	

DN 2204

Relinquished By	Date/Time	Received By	Date/Time
[signature]	8-24-06 1635	[signature]	8-24-06 1635
[signature] 8-24-06	2000		
		[signature]	8/24/06 20:00

Turn around Time: (check)
24 Hours ______ 5 Days ______
48 Hours ______ 10 Days ______
72 Hours ______ Normal X
Perchlorate Only 72 Hours______
Metals Only 72 Hours______
Sample Integrity: (Check) Intact X On Ice: [signature]

ALTA

September 06, 2006

Alta Project I.D.: 28034

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2666". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

ACCREDITED IN ACCORDANCE WITH

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

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28034-001	IPH2666-01

SECTION II

Method Blank — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:14

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No:	8329	Lab Sample:	0-OPR001		
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06	Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits		Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8	IS	13C-2,3,7,8-TCDD	79.9	25 - 164
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71		13C-1,2,3,7,8-PeCDD	67.1	25 - 181
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82		13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67		13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81		13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70		13C-OCDD	53.1	17 - 157
OCDD	100	103	78 - 144		13C-2,3,7,8-TCDF	79.6	24 - 169
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8		13C-1,2,3,7,8-PeCDF	70.4	24 - 185
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67		13C-2,3,4,7,8-PeCDF	69.3	21 - 178
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80		13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67		13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65		13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78		13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65		13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61		13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69		13C-OCDF	54.2	17 - 157
OCDF	100	102	63 - 170	CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:14

Sample ID: IPH2666-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28034-001	Date Received:	26-Aug-06
Project:	IPH2666	Sample Size:	1.01 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0945						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000543		
1,2,3,7,8-PeCDD	ND	0.000000773		
1,2,3,4,7,8-HxCDD	ND	0.00000185		
1,2,3,6,7,8-HxCDD	ND	0.000000877		
1,2,3,7,8,9-HxCDD	ND	0.000000868		
1,2,3,4,6,7,8-HpCDD	0.00000647			J
OCDD	0.0000602			
2,3,7,8-TCDF	ND	0.000000613		
1,2,3,7,8-PeCDF	ND	0.000000560		
2,3,4,7,8-PeCDF	ND	0.000000534		
1,2,3,4,7,8-HxCDF	ND	0.000000542		
1,2,3,6,7,8-HxCDF	ND	0.000000511		
2,3,4,6,7,8-HxCDF	ND	0.000000613		
1,2,3,7,8,9-HxCDF	ND	0.000000945		
1,2,3,4,6,7,8-HpCDF	0.00000197			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000134		
OCDF	ND		0.00000289	

Totals				
Total TCDD	ND	0.000000543		
Total PeCDD	ND		0.00000341	
Total HxCDD	ND	0.00000120		
Total HpCDD	0.0000143			
Total TCDF	ND		0.00000140	
Total PeCDF	ND		0.000000726	
Total HxCDF	ND	0.000000653		
Total HpCDF	0.00000197		0.00000320	

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	66.0	25 - 164	
	13C-1,2,3,7,8-PeCDD	55.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	64.9	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	63.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	65.3	23 - 140	
	13C-OCDD	51.5	17 - 157	
	13C-2,3,7,8-TCDF	72.5	24 - 169	
	13C-1,2,3,7,8-PeCDF	63.1	24 - 185	
	13C-2,3,4,7,8-PeCDF	61.2	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	70.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	63.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	64.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	61.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	63.8	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	62.0	26 - 138	
	13C-OCDF	51.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	80.1	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:14

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2666

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA 17461 Derian Avenue. Suite 100 Irvine, CA 92614 Phone: (949) 261-1022 Fax: (949) 260-3297 Project Manager: Michele Chamberlin	Alta Analytical 1104 Windfield Way El Dorado Hills, CA 95762 Phone :(916) 933-1640 Fax: (916) 673-0106

28034
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2666-01 Water	**Sampled: 08/24/06 09:45**	
1613-Dioxin-HR-Alta	08/31/06 09:45	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2666-01M)
1 L Amber (IPH2666-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received On Ice:: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28034

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:**
Logged In:	**Date/Time** 8/28/06 1021	**Initials:** VBLB	**Location:** WR-2 **Shelf/Rack:** B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	**Time:** 0855	**Thermometer ID:** DT-20				

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7921 9081 8461	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 14:46

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 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
IPH2656-01	AC-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.067**	1	08/30/06	09/02/06	
Sample ID: IPH2656-01 (AC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.47**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**6.3**	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	**0.031**	1	08/30/06	09/01/06	J
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**0.77**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.077**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**410**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	ND	1	08/30/06	09/01/06	
Silver	EPA 200.8	6H30077	0.025	1.0	**0.038**	1	08/30/06	09/01/06	J
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2656-01 (AC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.66**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	ND	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	**0.031**	1	08/31/06	09/01/06	J
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.54**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.51**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	**0.33**	1	08/31/06	09/01/06	J
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2656-01 (AC-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.8**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**210**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**2.8**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**250**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**110**	5	08/25/06	08/25/06	M2
Total Dissolved Solids	SM2540C	6H30067	10	10	**410**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29101	0.50	1.0	**9.1**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**5.0**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**7.49**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2656-01 (AC-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**700**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: AC-EFF (IPH2656-01) - Water					
EPA 150.1	1	08/24/2006 09:00	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:00	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:00	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 09:32
Filtration	1	08/24/2006 09:00	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29101 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29101-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29101-BS1)											
Total Organic Carbon	11.0	1.0	0.50	mg/l	10.0		110	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29101-MS1)						**Source: IPH2366-01**					
Total Organic Carbon	6.91	1.0	0.50	mg/l	5.00	1.3	112	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29101-MSD1)						**Source: IPH2366-01**					
Total Organic Carbon	6.70	1.0	0.50	mg/l	5.00	1.3	108	80-120	3	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2656

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2656-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

IPH2656

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Field readings: Temp = 77 pH= 6.9 **Comments**
AC-EFF	W	Poly-1L	1	8-24-06 09:00	HNO3	1	X														
AC-EFF	W	Poly-1L	1		None	2		X													
AC-EFF	W	VOAs	2		HCl	3A, 3B			X												
AC-EFF	W	1L Amber	2		HCl	4A, 4B				X											
AC-EFF	W	Poly-500 ml	1		H2SO4	5					X										
AC-EFF	W	Poly-500 ml	1		None	6						X									
AC-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
AC-EFF	W	Poly-500 ml	1		H2SO4	8								X							
AC-EFF	W	Poly-1L	1		None	9									X						
AC-EFF	W	1L Amber	2	8-27-06 09:60	None	10A, 10B										X					

Relinquished By: 8-24-06 Date/Time: 1635
Received By: Date/Time: 8-24-06 1655

Relinquished By: 8-24-06 Date/Time: 2000
Received By: Date/Time:

Relinquished By: Date/Time:
Received By: Date/Time: 8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

DM 8220

ALTA

September 05, 2006

Alta Project I.D.: 28039

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2656". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28039-001	IPH2656-01

SECTION II

Method Blank — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:27

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001		
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06	Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits		Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8	IS	13C-2,3,7,8-TCDD	79.9	25 - 164
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71		13C-1,2,3,7,8-PeCDD	67.1	25 - 181
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82		13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67		13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81		13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70		13C-OCDD	53.1	17 - 157
OCDD	100	103	78 - 144		13C-2,3,7,8-TCDF	79.6	24 - 169
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8		13C-1,2,3,7,8-PeCDF	70.4	24 - 185
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67		13C-2,3,4,7,8-PeCDF	69.3	21 - 178
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80		13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67		13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65		13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78		13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65		13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61		13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69		13C-OCDF	54.2	17 - 157
OCDF	100	102	63 - 170	CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:27

Sample ID: IPH2656-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28039-001	Date Received:	26-Aug-06
Project:	IPH2656	Sample Size:	1.00 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0900						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000595		
1,2,3,7,8-PeCDD	ND	0.000000627		
1,2,3,4,7,8-HxCDD	ND	0.00000181		
1,2,3,6,7,8-HxCDD	ND	0.000000862		
1,2,3,7,8,9-HxCDD	ND	0.000000858		
1,2,3,4,6,7,8-HpCDD	0.00000301			J
OCDD	0.0000298			J
2,3,7,8-TCDF	ND	0.000000585		
1,2,3,7,8-PeCDF	ND	0.000000838		
2,3,4,7,8-PeCDF	ND	0.000000834		
1,2,3,4,7,8-HxCDF	ND	0.000000348		
1,2,3,6,7,8-HxCDF	ND	0.000000351		
2,3,4,6,7,8-HxCDF	ND	0.000000380		
1,2,3,7,8,9-HxCDF	ND	0.000000628		
1,2,3,4,6,7,8-HpCDF	ND	0.000000640		
1,2,3,4,7,8,9-HpCDF	ND	0.000000651		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	71.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	62.7	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	68.0	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	64.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	68.8	23 - 140	
	13C-OCDD	45.9	17 - 157	
	13C-2,3,7,8-TCDF	72.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	64.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	62.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	74.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	65.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	66.0	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	61.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	65.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	65.2	26 - 138	
	13C-OCDF	49.8	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	78.4	35 - 197	

Totals			
Total TCDD	ND	0.000000595	
Total PeCDD	ND	0.000000627	
Total HxCDD	ND		0.00000163
Total HpCDD	0.00000698		
Total TCDF	ND	0.000000585	
Total PeCDF	ND	0.000000836	
Total HxCDF	ND	0.000000427	
Total HpCDF	ND	0.000000646	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:27

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2656

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

28039
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2656-01 Water	**Sampled: 08/24/06 09:00**	
1613-Dioxin-HR-Alta	08/31/06 09:00	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2656-01M)
1 L Amber (IPH2656-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06		Christine Neel	8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28039

Samples Arrival:	Date/Time 8/26/06 0845	Initials: CV	Location: WR-2 Shelf/Rack: N/A
Logged In:	Date/Time 8/28/06 1404	Initials: BJB	Location: WR-2 Shelf/Rack: B-4

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice		Dry Ice	None	
Temp °C 0.1°	Time: 0905			Thermometer ID: DT-20		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7900 4862 2610	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?		✓	
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 14:32

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2657-01	P-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.13**	1	08/30/06	09/02/06	
Sample ID: IPH2657-01 (P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.42**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**6.0**	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	**0.025**	1	08/30/06	09/01/06	J
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**1.1**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.14**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**40**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	ND	1	08/30/06	09/01/06	
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2657-01 (P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.67**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	ND	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.89**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	**3.5**	1	08/25/06	09/02/06	J
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.59**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	**0.21**	1	08/31/06	09/01/06	J
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2657-01 (P-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.5**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**190**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**1.4**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**92**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**360**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**12**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**3.8**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.50**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2657-01 (P-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**620**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: P-EFF (IPH2657-01) - Water					
EPA 150.1	1	08/24/2006 09:40	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:40	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:40	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 09:48
Filtration	1	08/24/2006 09:40	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2657

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2657-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

TPH265

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BKelly	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Comments
P-EFF	W	Poly-1L	1	8-24-06 09:40	HNO3	1	X														
P-EFF	W	Poly-1L	1		None	2		X													
P-EFF	W	VOAs	2		HCl	3A, 3B			X												
P-EFF	W	1L Amber	2		HCl	4A, 4B				X											
P-EFF	W	Poly-500 ml	1		H2SO4	5					X										
P-EFF	W	Poly-500 ml	1		None	6						X									
P-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
P-EFF	W	Poly-500 ml	1		H2SO4	8								X							
P-EFF	W	Poly-1L	1		None	9									X						
P-EFF	W	1L Amber	2	8-24-06 09:40	None	10A, 10B										X					

Field readings: (6)
Temp = 76
pH= 7.8

pH 2.4

Relinquished By	Date/Time:	Received By	Date/Time:
8-24-06	1635		8.24.06 1635
	8.24.06 2000		
			8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28038

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2657". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28038-001	IPH2657-01

SECTION II

Method Blank — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:25

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits		Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8	IS	13C-2,3,7,8-TCDD	79.9	25 - 164
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71		13C-1,2,3,7,8-PeCDD	67.1	25 - 181
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82		13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67		13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81		13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70		13C-OCDD	53.1	17 - 157
OCDD	100	103	78 - 144		13C-2,3,7,8-TCDF	79.6	24 - 169
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8		13C-1,2,3,7,8-PeCDF	70.4	24 - 185
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67		13C-2,3,4,7,8-PeCDF	69.3	21 - 178
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80		13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67		13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65		13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78		13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65		13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61		13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69		13C-OCDF	54.2	17 - 157
OCDF	100	102	63 - 170	CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:25

Sample ID: IPH2657-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28038-001	Date Received:	26-Aug-06
Project:	IPH2657	Sample Size:	1.00 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0940						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000646		
1,2,3,7,8-PeCDD	ND	0.000000828		
1,2,3,4,7,8-HxCDD	ND	0.00000289		
1,2,3,6,7,8-HxCDD	ND	0.00000128		
1,2,3,7,8,9-HxCDD	ND	0.00000122		
1,2,3,4,6,7,8-HpCDD	0.00000725			J
OCDD	0.0000582			
2,3,7,8-TCDF	ND	0.000000630		
1,2,3,7,8-PeCDF	ND	0.000000860		
2,3,4,7,8-PeCDF	ND	0.000000814		
1,2,3,4,7,8-HxCDF	ND	0.000000545		
1,2,3,6,7,8-HxCDF	ND	0.000000548		
2,3,4,6,7,8-HxCDF	ND	0.000000618		
1,2,3,7,8,9-HxCDF	ND	0.000000986		
1,2,3,4,6,7,8-HpCDF	ND		0.00000120	
1,2,3,4,7,8,9-HpCDF	ND	0.000000849		
OCDF	ND		0.00000348	

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	65.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	52.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	56.1	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	53.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	56.4	23 - 140	
	13C-OCDD	41.5	17 - 157	
	13C-2,3,7,8-TCDF	64.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	54.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	53.5	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	60.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	54.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	54.4	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	47.3	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	54.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	51.7	26 - 138	
	13C-OCDF	41.6	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	82.4	35 - 197	

Totals				
Total TCDD	ND	0.000000646		
Total PeCDD	ND	0.000000828		
Total HxCDD	0.00000185			
Total HpCDD	0.0000162			
Total TCDF	ND		0.00000121	
Total PeCDF	ND	0.000000837		
Total HxCDF	ND	0.000000674		
Total HpCDF	ND		0.00000283	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:25

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2657

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

28038
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2657-01 Water	**Sampled: 08/24/06 09:40**	
1613-Dioxin-HR-Alta	08/31/06 09:40	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2657-01M)
1 L Amber (IPH2657-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No Sample labels/COC agree: ☐ Yes ☐ No Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No Samples Preserved Properly: ☐ Yes ☐ No Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06		Christ Vrel	8/24/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #28038

	Date/Time	Initials:	Location: WR-2
Samples Arrival:	8/26/06 0845	CV	Shelf/Rack: N/A
Logged In:	8/28/06 1331	BJB	Location: WR-2 Shelf/Rack: B-4

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	Time: 0905	Thermometer ID: DT-20				

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7900 4862 2610	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/26/06 16:08

NELAP #01108CA California ELAP#1197 CSDLAC #10256

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2658-01	LC-DUP-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.11**	1	08/30/06	09/02/06	
Sample ID: IPH2658-01 (LC-DUP-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.69**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**7.1**	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	**0.041**	1	08/30/06	09/01/06	J
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**0.80**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.47**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**210**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	**2.3**	1	08/30/06	09/02/06	J
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.41**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	**0.031**	1	08/30/06	09/01/06	J
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	**19**	1	08/30/06	09/02/06	J

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2658-01 (LC-DUP-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.72**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**9.2**	1	08/25/06	09/20/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**1.0**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	**0.047**	1	08/31/06	09/01/06	J
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.43**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**0.99**	1	08/28/06	08/28/06	
Sample ID: IPH2658-01 (LC-DUP-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.5**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**200**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**2.0**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**220**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**91**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**380**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**14**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**4.3**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**7.75**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2658-01 (LC-DUP-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**650**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: LC-DUP-EFF (IPH2658-01) - Water					
EPA 150.1	1	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 10:05
Filtration	1	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2658

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2658-01

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)						Comments
							ANALYSIS REQUIRED														
LC-DUP-EFF	W	Poly-1L	1	8-24-06 10:15	HNO3	1	X														
LC-DUP-EFF	W	Poly-1L	1		None	2		X													
LC-DUP-EFF	W	VOAs	2		HCl	3A, 3B			X												
LC-DUP-EFF	W	1L Amber	2		HCl	4A, 4B				X											
LC-DUP-EFF	W	Poly-500 ml	1		H2SO4	5					X										
LC-DUP-EFF	W	Poly-500 ml	1		None	6						X									
LC-DUP-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
LC-DUP-EFF	W	Poly-500 ml	1		H2SO4	8								X							
LC-DUP-EFF	W	Poly-1L	1		None	9									X						
LC-DUP-EFF	W	1L Amber	2	8-24-06 10:15	None	10A, 10B										X					

Field readings: @
Temp = 26
pH= 7.2

Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 1635		8-24-06 1635
	8/24/06 2000		
			8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28030

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2658". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

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

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28030-001	IPH2658-01

SECTION II

Method Blank — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:43

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:43

Sample ID: IPH2658-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28030-001	Date Received:	26-Aug-06
Project:	IPH2658	Sample Size:	1.01 L	QC Batch No.:	8329	Date Extracted	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	1015						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000616		
1,2,3,7,8-PeCDD	ND	0.000000983		
1,2,3,4,7,8-HxCDD	ND	0.00000220		
1,2,3,6,7,8-HxCDD	ND	0.00000101		
1,2,3,7,8,9-HxCDD	ND	0.00000101		
1,2,3,4,6,7,8-HpCDD	ND		0.00000682	
OCDD	0.0000616			
2,3,7,8-TCDF	ND	0.000000654		
1,2,3,7,8-PeCDF	ND	0.000000823		
2,3,4,7,8-PeCDF	ND	0.000000780		
1,2,3,4,7,8-HxCDF	ND	0.000000553		
1,2,3,6,7,8-HxCDF	ND	0.000000579		
2,3,4,6,7,8-HxCDF	ND	0.000000606		
1,2,3,7,8,9-HxCDF	ND	0.000000976		
1,2,3,4,6,7,8-HpCDF	0.00000178			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000113		
OCDF	ND	0.00000252		

Totals				
Total TCDD	ND	0.000000616		
Total PeCDD	ND		0.00000135	
Total HxCDD	0.00000141			
Total HpCDD	0.00000751		0.0000143	
Total TCDF	ND	0.000000654		
Total PeCDF	ND	0.000000802		
Total HxCDF	ND	0.000000678		
Total HpCDF	0.00000178		0.00000297	

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	62.7	25 - 164	
	13C-1,2,3,7,8-PeCDD	49.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	58.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	55.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	54.3	23 - 140	
	13C-OCDD	42.7	17 - 157	
	13C-2,3,7,8-TCDF	63.3	24 - 169	
	13C-1,2,3,7,8-PeCDF	52.8	24 - 185	
	13C-2,3,4,7,8-PeCDF	49.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	63.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	56.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	58.0	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	53.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	54.1	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	50.0	26 - 138	
	13C-OCDF	40.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	75.6	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:43

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2658

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical 28030
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762 0.1°C
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2658-01 Water	**Sampled: 08/24/06 10:15**	
1613-Dioxin-HR-Alta	08/31/06 10:15	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2658-01M)
1 L Amber (IPH2658-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No | Sample labels/COC agree: ☐ Yes ☐ No | Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No | Samples Preserved Properly: ☐ Yes ☐ No | Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/24/06	0845

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28030

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:**
Logged In:	**Date/Time** 8/28/06 0932	**Initials:** VBLB	**Location:** WR-2 **Shelf/Rack:** B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	**Time:** 0855		**Thermometer ID:** DT-20			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7921 9081 8461	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 15:19

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2659-01	S-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.049**	1	08/30/06	09/02/06	
Sample ID: IPH2659-01 (S-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.51**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	ND	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**0.70**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.049**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**19**	1	08/30/06	09/02/06	J
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.43**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2659-01 (S-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.53**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	ND	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.89**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	**2.3**	1	08/25/06	09/02/06	J
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.38**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**0.99**	1	08/28/06	08/28/06	
Sample ID: IPH2659-01 (S-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.8**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**190**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**1.4**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.89	4.7	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**92**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**360**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**10**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**2.2**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.22**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2659-01 (S-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**600**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: S-EFF (IPH2659-01) - Water					
EPA 150.1	1	08/24/2006 09:35	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:35	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:35	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 10:21
Filtration	1	08/24/2006 09:35	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2659

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2659-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Comments
S-EFF	W	Poly-1L	1	8-24-06 09:35	HNO3	1	X														
S-EFF	W	Poly-1L	1		None	2		X													
S-EFF	W	VOAs	2		HCl	3A, 3B			X												
S-EFF	W	1L Amber	2		HCl	4A, 4B				X											
S-EFF	W	Poly-500 ml	1		H2SO4	5					X										
S-EFF	W	Poly-500 ml	1		None	6						X									
S-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
S-EFF	W	Poly-500 ml	1		H2SO4	8								X							
S-EFF	W	Poly-1L	1		None	9									X						
S-EFF	W	1L Amber	2	8-24-06 09:35	None	10A, 10B										X					

Field readings: @
Temp = 75
pH= 7.6

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	8-24-06 1635	[signature]	8-24-06 1655
[signature]	8-24-06 2000		
		[signature]	8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28037

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2659". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28037-001	IPH2659-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437	
Total PeCDD	ND	0.000000656	
Total HxCDD	ND	0.000000955	
Total HpCDD	ND	0.000000797	
Total TCDF	ND	0.000000449	
Total PeCDF	ND	0.000000522	
Total HxCDF	ND	0.000000486	
Total HpCDF	ND	0.000000666	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:24

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:24

Sample ID: IPH2659-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28037-001	Date Received:	26-Aug-06
Project:	IPH2659	Sample Size:	0.957 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0935						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000613		
1,2,3,7,8-PeCDD	ND	0.000000743		
1,2,3,4,7,8-HxCDD	ND	0.00000234		
1,2,3,6,7,8-HxCDD	ND	0.00000104		
1,2,3,7,8,9-HxCDD	ND	0.00000104		
1,2,3,4,6,7,8-HpCDD	0.00000347			J
OCDD	0.0000311			J
2,3,7,8-TCDF	ND	0.000000599		
1,2,3,7,8-PeCDF	ND	0.000000650		
2,3,4,7,8-PeCDF	ND	0.000000609		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000406		
2,3,4,6,7,8-HxCDF	ND	0.000000451		
1,2,3,7,8,9-HxCDF	ND	0.000000773		
1,2,3,4,6,7,8-HpCDF	ND	0.000000747		
1,2,3,4,7,8,9-HpCDF	ND	0.000000862		
OCDF	ND	0.00000199		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	75.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	63.9	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	64.2	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	63.4	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	63.8	23 - 140	
	13C-OCDD	47.7	17 - 157	
	13C-2,3,7,8-TCDF	78.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	70.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	68.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	72.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	62.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	63.3	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	53.5	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	62.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	57.2	26 - 138	
	13C-OCDF	42.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	84.6	35 - 197	

Totals

Total TCDD	ND	0.000000613	
Total PeCDD	ND	0.000000743	
Total HxCDD	ND	0.00000147	
Total HpCDD	0.00000347		
Total TCDF	0.000000786		
Total PeCDF	ND	0.000000630	
Total HxCDF	ND	0.000000512	
Total HpCDF	ND	0.000000804	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:24

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2659

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA 17461 Derian Avenue. Suite 100 Irvine, CA 92614 Phone: (949) 261-1022 Fax: (949) 260-3297 Project Manager: Michele Chamberlin	Alta Analytical 1104 Windfield Way El Dorado Hills, CA 95762 Phone :(916) 933-1640 Fax: (916) 673-0106

28037
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2659-01 Water	**Sampled: 08/24/06 09:35**	
1613-Dioxin-HR-Alta	08/31/06 09:35	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2659-01M)
1 L Amber (IPH2659-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No Sample labels/COC agree: ☐ Yes ☐ No Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No Samples Preserved Properly: ☐ Yes ☐ No Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06		Christ Ved	8/26/06	0845

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28037

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 8/28/06 1240	**Initials:** BLB	**Location:** WR-2 **Shelf/Rack:**

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	**Time:** 0905	**Thermometer ID:** DT-20				

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 7900 4862 2610	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/19/06 08:52

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2660-01	PM-P-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.064**	1	08/30/06	09/02/06	
Sample ID: IPH2660-01 (PM-P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.44**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	ND	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**0.52**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.047**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**26**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.39**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2660-01 (PM-P-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.50**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**4.8**	1	08/25/06	09/02/06	J
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**1.0**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.36**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**0.99**	1	08/28/06	08/28/06	
Sample ID: IPH2660-01 (PM-P-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.5**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**180**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**1.7**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.89	4.7	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**91**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**350**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**12**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**1.9**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.07**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2660-01 (PM-P-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**620**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PM-P-EFF (IPH2660-01) - Water					
EPA 150.1	1	08/24/2006 09:20	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:20	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:20	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 10:38
Filtration	1	08/24/2006 09:20	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2660

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2660-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 **CHAIN OF CUSTODY FORM**

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BBIVBCA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	ANALYSIS REQUIRED: Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)						Field readings: Temp = 76 pH= 7.3 **Comments**
PM-P-EFF	W	Poly-1L	1	8-24-06 09:20	HNO3	1	X															
PM-P-EFF	W	Poly-1L	1		None	2		X														
PM-P-EFF	W	VOAs	2		HCl	3A, 3B			X													
PM-P-EFF	W	1L Amber	2		HCl	4A, 4B				X												
PM-P-EFF	W	Poly-500 ml	1		H2SO4	5					X											
PM-P-EFF	W	Poly-500 ml	1		None	6						X										
PM-P-EFF	W	Poly-500 ml	2		None	7A, 7B							X									
PM-P-EFF	W	Poly-500 ml	1		H2SO4	8								X								
PM-P-EFF	W	Poly-1L	1	"	None	9									X							
PM-P-EFF	W	1L Amber	2	8-24-06 09:20	None	10A, 10B										X						
																						DN 2145

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	8-24-06 1635	[signature]	8/24/06 1635
[signature]	8-24-06 2000		
Relinquished By	Date/Time:	Received By	Date/Time:
		[signature]	8/24/06 2000

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: Yes

ALTA

September 05, 2006

Alta Project I.D.: 28036

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2660". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha Maier

Martha M. Maier
Director of HRMS Services

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

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28036-001	IPH2660-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437	
Total PeCDD	ND	0.000000656	
Total HxCDD	ND	0.000000955	
Total HpCDD	ND	0.000000797	
Total TCDF	ND	0.000000449	
Total PeCDF	ND	0.000000522	
Total HxCDF	ND	0.000000486	
Total HpCDF	ND	0.000000666	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:23

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:23

Sample ID: IPH2660-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28036-001	Date Received:	26-Aug-06
Project:	IPH2660	Sample Size:	1.01 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0920						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000485		
1,2,3,7,8-PeCDD	ND	0.000000630		
1,2,3,4,7,8-HxCDD	ND	0.00000199		
1,2,3,6,7,8-HxCDD	ND	0.000000793		
1,2,3,7,8,9-HxCDD	ND	0.000000811		
1,2,3,4,6,7,8-HpCDD	0.00000338			J
OCDD	0.0000346			J
2,3,7,8-TCDF	ND	0.000000412		
1,2,3,7,8-PeCDF	ND	0.000000507		
2,3,4,7,8-PeCDF	ND	0.000000486		
1,2,3,4,7,8-HxCDF	ND	0.000000380		
1,2,3,6,7,8-HxCDF	ND	0.000000378		
2,3,4,6,7,8-HxCDF	ND	0.000000440		
1,2,3,7,8,9-HxCDF	ND	0.000000709		
1,2,3,4,6,7,8-HpCDF	ND	0.000000608		
1,2,3,4,7,8,9-HpCDF	ND	0.000000695		
OCDF	ND	0.00000217		

Totals				
Total TCDD	ND	0.000000485		
Total PeCDD	ND	0.000000630		
Total HxCDD	ND		0.000000900	
Total HpCDD	0.00000732			
Total TCDF	ND	0.000000412		
Total PeCDF	ND	0.000000496		
Total HxCDF	ND	0.000000477		
Total HpCDF	ND	0.000000652		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	78.5	25 - 164	
	13C-1,2,3,7,8-PeCDD	68.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	72.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	71.4	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.0	23 - 140	
	13C-OCDD	52.6	17 - 157	
	13C-2,3,7,8-TCDF	79.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	77.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	73.2	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	82.8	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	70.6	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	72.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	59.6	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	72.3	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	64.1	26 - 138	
	13C-OCDF	45.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	82.7	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:23

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2660

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

28036
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2660-01 Water	**Sampled: 08/24/06 09:20**	
1613-Dioxin-HR-Alta	08/31/06 09:20	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2660-01M)
1 L Amber (IPH2660-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No | Sample labels/COC agree: ☐ Yes ☐ No | Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No | Samples Preserved Properly: ☐ Yes ☐ No | Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06		Christ Vnel	8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28036

Samples Arrival:	Date/Time 8/26/06 0845	Initials: CV	Location: WR-2 Shelf/Rack: N/A
Logged In:	Date/Time 8/28/06 1231	Initials: BJB	Location: WR-2 Shelf/Rack: B-4

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice		Dry Ice	None	
Temp °C 0.1°	Time: 0905			Thermometer ID: DT-20		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill / Trk # 7900 4862 2610	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/26/06 16:19

NELAP #01108CA California ELAP#1197 CSDLAC #10256

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2661-01	BST-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.24**	1	08/30/06	09/02/06	
Sample ID: IPH2661-01 (BST-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.42**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	ND	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**1.8**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.20**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**68**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	ND	1	08/30/06	09/01/06	
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2661-01 (BST-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.66**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**4.5**	1	08/25/06	09/20/06	J
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.85**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.61**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	**0.27**	1	08/31/06	09/01/06	J
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2661-01 (BST-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	**15**	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**3.1**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**180**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**1.4**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**92**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**350**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**11**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	**15**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**5.1**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.26**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2661-01 (BST-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**610**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: BST-EFF (IPH2661-01) - Water					
EPA 150.1	1	08/24/2006 09:10	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 09:10	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 09:10	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 10:54
Filtration	1	08/24/2006 09:10	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Lisa Reightley For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2661

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2661-01

TestAmerica - Irvine, CA
Lisa Reightley For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler:	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Field readings: Temp = 76° pH= 7.7 **Comments**
BST-EFF	W	Poly-1L	1	8-24-06 09:10	HNO3	1	X														
BST-EFF	W	Poly-1L	1		None	2		X													
BST-EFF	W	VOAs	2		HCl	3A, 3B			X												
BST-EFF	W	1L Amber	2		HCl	4A, 4B				X											
BST-EFF	W	Poly-500 ml	1		H2SO4	5					X										
BST-EFF	W	Poly-500 ml	1		None	6						X									
BST-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
BST-EFF	W	Poly-500 ml	1		H2SO4	8								X							
BST-EFF	W	Poly-1L	1	8-24-06 07:10	None	9									X						
BST-EFF	W	1L Amber	2		None	10A, 10B										X					

Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 1635		8-24-06 1635
Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 2000		
Relinquished By	Date/Time:	Received By	Date/Time:
			8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28031

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2661". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28031-001	IPH2661-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437	
Total PeCDD	ND	0.000000656	
Total HxCDD	ND	0.000000955	
Total HpCDD	ND	0.000000797	
Total TCDF	ND	0.000000449	
Total PeCDF	ND	0.000000522	
Total HxCDF	ND	0.000000486	
Total HpCDF	ND	0.000000666	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:06

OPR Results — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:06

Sample ID: IPH2661-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28031-001	Date Received:	26-Aug-06
Project:	IPH2661	Sample Size:	1.02 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0910						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000640		
1,2,3,7,8-PeCDD	ND	0.000000789		
1,2,3,4,7,8-HxCDD	ND	0.00000414		
1,2,3,6,7,8-HxCDD	ND	0.00000140		
1,2,3,7,8,9-HxCDD	ND	0.00000139		
1,2,3,4,6,7,8-HpCDD	0.00000941			J
OCDD	0.0000789			
2,3,7,8-TCDF	ND	0.000000696		
1,2,3,7,8-PeCDF	ND	0.000000685		
2,3,4,7,8-PeCDF	ND	0.000000675		
1,2,3,4,7,8-HxCDF	ND	0.000000600		
1,2,3,6,7,8-HxCDF	ND	0.000000593		
2,3,4,6,7,8-HxCDF	ND	0.000000681		
1,2,3,7,8,9-HxCDF	ND	0.00000104		
1,2,3,4,6,7,8-HpCDF	0.00000144			J
1,2,3,4,7,8,9-HpCDF	ND	0.00000124		
OCDF	ND	0.00000205		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	64.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	49.8	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	61.2	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	58.7	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	60.1	23 - 140	
	13C-OCDD	46.0	17 - 157	
	13C-2,3,7,8-TCDF	66.6	24 - 169	
	13C-1,2,3,7,8-PeCDF	53.4	24 - 185	
	13C-2,3,4,7,8-PeCDF	51.9	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	69.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	61.1	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	60.7	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	58.9	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	59.2	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	57.9	26 - 138	
	13C-OCDF	48.4	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	76.8	35 - 197	

Totals

Total TCDD	ND	0.000000640	
Total PeCDD	ND	0.000000789	
Total HxCDD	ND		0.00000201
Total HpCDD	0.00000941		0.0000185
Total TCDF	0.00000135		
Total PeCDF	ND	0.000000680	
Total HxCDF	ND	0.000000728	
Total HpCDF	0.00000144		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:06

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2661

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

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

28031
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2661-01 Water	**Sampled: 08/24/06 09:10**	
1613-Dioxin-HR-Alta	08/31/06 09:10	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2661-01M)
1 L Amber (IPH2661-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received On Ice:: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28031

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:**
Logged In:	**Date/Time** 8/28/06 0943	**Initials:** KBLB	**Location:** WR-2 **Shelf/Rack:** B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	**Time:** 0855		**Thermometer ID:** DT-20			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7921 9081 8461	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/19/06 08:47

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2662-01	PT-INF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.25**	1	08/30/06	09/02/06	
Sample ID: IPH2662-01 (PT-INF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.39**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	ND	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**2.0**	1	08/30/06	09/01/06	
Lead	EPA 200.8	6H30077	0.040	1.0	**0.19**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**63**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.43**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2662-01 (PT-INF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.53**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	ND	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.88**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.47**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**0.99**	1	08/28/06	08/28/06	
Sample ID: IPH2662-01 (PT-INF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	**13**	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**1.7**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**180**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**0.84**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.89	4.7	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**92**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**360**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29093	0.50	1.0	**11**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	**13**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**7.2**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.50**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2662-01 (PT-INF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**610**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PT-INF (IPH2662-01) - Water					
EPA 150.1	1	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 11:11
Filtration	1	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29093 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29093-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29093-BS1)											
Total Organic Carbon	10.8	1.0	0.50	mg/l	10.0		108	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29093-MS1)						**Source: IPH2442-01**					
Total Organic Carbon	5.90	1.0	0.50	mg/l	5.00	ND	118	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29093-MSD1)						**Source: IPH2442-01**					
Total Organic Carbon	5.97	1.0	0.50	mg/l	5.00	ND	119	80-120	1	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2662

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2662-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

IPH2662

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)	Comments
PT-INF	W	Poly-1L	1	8-24-06 08:00	HNO3	1	X										
PT-INF	W	Poly-1L	1		None	2		X									
PT-INF	W	VOAs	2		HCl	3A, 3B			X								
PT-INF	W	1L Amber	2		HCl	4A, 4B				X							
PT-INF	W	Poly-500 ml	1		H2SO4	5					X						
PT-INF	W	Poly-500 ml	1		None	6						X					
PT-INF	W	Poly-500 ml	2		None	7A, 7B							X				
PT-INF	W	Poly-500 ml	1		H2SO4	8								X			
PT-INF	W	Poly-1L	1		None	9									X		
PT-INF	W	1L Amber	2	8-24-06 08:00	None	10A, 10B										X	

Field readings: @ Temp = 75 pH= 8.0

DW 2300

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 8-24-06	1635	[signature]	8.24.06 1635
[signature]	8.24.06 2000		
Relinquished By	Date/Time:	Received By	Date/Time:
		[signature]	8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: [signature]

ALTA

September 05, 2006

Alta Project I.D.: 28032

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2662". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28032-001	IPH2662-01

SECTION II

Method Blank **EPA Method 1613**

Matrix: Aqueous | QC Batch No.: 8329 | Lab Sample: 0-MB001

Sample Size: 1.00 L | Date Extracted: 29-Aug-06 | Date Analyzed DB-5: 30-Aug-06 | Date Analyzed DB-225: NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:08

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:08

Sample ID: IPH2662-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28032-001	Date Received:	26-Aug-06
Project:	IPH2662	Sample Size	1.02 L	QC Batch No:	8329	Date Extracted	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0800						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000729		
1,2,3,7,8-PeCDD	ND	0.00000104		
1,2,3,4,7,8-HxCDD	ND	0.00000318		
1,2,3,6,7,8-HxCDD	ND	0.00000135		
1,2,3,7,8,9-HxCDD	ND	0.00000137		
1,2,3,4,6,7,8-HpCDD	0.0000115			J
OCDD	0.000105			
2,3,7,8-TCDF	ND	0.000000735		
1,2,3,7,8-PeCDF	ND	0.000000756		
2,3,4,7,8-PeCDF	ND	0.000000757		
1,2,3,4,7,8-HxCDF	ND	0.000000711		
1,2,3,6,7,8-HxCDF	ND	0.000000672		
2,3,4,6,7,8-HxCDF	ND	0.000000750		
1,2,3,7,8,9-HxCDF	ND	0.00000116		
1,2,3,4,6,7,8-HpCDF	ND	0.00000150		
1,2,3,4,7,8,9-HpCDF	ND	0.00000171		
OCDF	ND		0.00000466	

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	65.2	25 - 164	
	13C-1,2,3,7,8-PeCDD	48.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	58.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	56.9	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	60.1	23 - 140	
	13C-OCDD	48.1	17 - 157	
	13C-2,3,7,8-TCDF	66.2	24 - 169	
	13C-1,2,3,7,8-PeCDF	53.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	50.2	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	66.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	58.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	59.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	55.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	58.7	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	54.1	26 - 138	
	13C-OCDF	46.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	82.2	35 - 197	

Totals

Total TCDD	ND	0.000000729	
Total PeCDD	ND		0.00000110
Total HxCDD	ND		0.00000224
Total HpCDD	0.0000263		
Total TCDF	0.00000225		
Total PeCDF	ND	0.000000756	
Total HxCDF	0.000000901		0.00000157
Total HpCDF	0.00000271		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:08

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2662

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

28032
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2662-01 Water	**Sampled: 08/24/06 08:00**	
1613-Dioxin-HR-Alta	08/31/06 08:00	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2662-01M)
1 L Amber (IPH2662-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No | Sample labels/COC agree: ☐ Yes ☐ No | Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No | Samples Preserved Properly: ☐ Yes ☐ No | Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28032

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:**
Logged In:	**Date/Time** 8/28/06 1008	**Initials:** BLB	**Location:** WR-2 **Shelf/Rack:** B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice		Dry Ice	None	
Temp °C 0.1°	**Time:** 0855			**Thermometer ID:** DT-20		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7921 9081 8461	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 15:07

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2663-01	LC-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.11**	1	08/30/06	09/02/06	
Sample ID: IPH2663-01 (LC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.58**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**11**	1	08/30/06	09/02/06	
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	**0.027**	1	08/30/06	09/01/06	J
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**1.5**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.45**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**230**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H28054	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.35**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2663-01 (LC-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.69**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**8.0**	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.94**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	**0.042**	1	08/31/06	09/01/06	J
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	**4.0**	1	08/25/06	09/02/06	J
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.34**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2663-01 (LC-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.0**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**190**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**0.56**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**230**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.89	4.7	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**94**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**370**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29101	0.50	1.0	**13**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**4.6**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**7.93**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2663-01 (LC-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**640**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: LC-EFF (IPH2663-01) - Water					
EPA 150.1	1	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 11:27
Filtration	1	08/24/2006 10:15	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H28054 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28054-BLK1)											
Mercury	ND	0.20	0.050	ug/l							
LCS Analyzed: 08/28/2006 (6H28054-BS1)											
Mercury	8.08	0.20	0.050	ug/l	8.00		101	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28054-MS1)						**Source: IPH2653-03**					
Mercury	9.02	0.20	0.050	ug/l	8.00	1.6	93	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28054-MSD1)						**Source: IPH2653-03**					
Mercury	8.75	0.20	0.050	ug/l	8.00	1.6	89	70-130	3	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29101 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29101-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29101-BS1)											
Total Organic Carbon	11.0	1.0	0.50	mg/l	10.0		110	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29101-MS1)						**Source: IPH2366-01**					
Total Organic Carbon	6.91	1.0	0.50	mg/l	5.00	1.3	112	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29101-MSD1)						**Source: IPH2366-01**					
Total Organic Carbon	6.70	1.0	0.50	mg/l	5.00	1.3	108	80-120	3	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2663

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2663-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

1PH263

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: DANIAGUI	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)						Field readings: Temp = 76 pH= 7.3 **Comments**
LC-EFF	W	Poly-1L	1	8-24-06 10:45	HNO3	1	X															
LC-EFF	W	Poly-1L	1		None	2		X														
LC-EFF	W	VOAs	2		HCl	3A, 3B			X													
LC-EFF	W	1L Amber	2		HCl	4A, 4B				X												
LC-EFF	W	Poly-500 ml	1		H2SO4	5					X											
LC-EFF	W	Poly-500 ml	1		None	6						X										
LC-EFF	W	Poly-500 ml	2		None	7A, 7B							X									
LC-EFF	W	Poly-500 ml	1		H2SO4	8								X								
LC-EFF	W	Poly-1L	1	8-24-06 10:15	None	9									X							
LC-EFF	W	1L Amber	2		None	10A, 10B										X						

DW2240

Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 1635		8-24-06 1635
Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 2000		
Relinquished By	Date/Time:	Received By	Date/Time:
			8/24/06 20:00

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28035

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2663". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha Maier

Martha M. Maier
Director of HRMS Services

ACCREDITED IN ACCORDANCE WITH NELAC

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

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28035-001	IPH2663-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437
Total PeCDD	ND	0.000000656
Total HxCDD	ND	0.000000955
Total HpCDD	ND	0.000000797
Total TCDF	ND	0.000000449
Total PeCDF	ND	0.000000522
Total HxCDF	ND	0.000000486
Total HpCDF	ND	0.000000666

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:21

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:21

Sample ID: IPH2663-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28035-001	Date Received:	26-Aug-06
Project:	IPH2663	Sample Size:	1.01 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	1015						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000596		
1,2,3,7,8-PeCDD	ND	0.000000663		
1,2,3,4,7,8-HxCDD	ND	0.00000203		
1,2,3,6,7,8-HxCDD	ND	0.000000881		
1,2,3,7,8,9-HxCDD	ND	0.000000861		
1,2,3,4,6,7,8-HpCDD	0.00000739			J
OCDD	0.0000586			
2,3,7,8-TCDF	ND	0.000000481		
1,2,3,7,8-PeCDF	ND	0.000000525		
2,3,4,7,8-PeCDF	ND	0.000000515		
1,2,3,4,7,8-HxCDF	ND	0.000000401		
1,2,3,6,7,8-HxCDF	ND	0.000000402		
2,3,4,6,7,8-HxCDF	ND	0.000000437		
1,2,3,7,8,9-HxCDF	ND	0.000000623		
1,2,3,4,6,7,8-HpCDF	ND		0.00000120	
1,2,3,4,7,8,9-HpCDF	ND	0.000000842		
OCDF	ND		0.00000184	

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.8	25 - 164	
	13C-1,2,3,7,8-PeCDD	61.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	65.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	63.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	64.7	23 - 140	
	13C-OCDD	41.8	17 - 157	
	13C-2,3,7,8-TCDF	72.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	69.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	68.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	70.5	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	62.2	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	65.8	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	66.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	65.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	62.9	26 - 138	
	13C-OCDF	45.2	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	83.7	35 - 197	

Totals

Total TCDD	ND	0.000000596	
Total PeCDD	ND	0.000000663	
Total HxCDD	ND	0.00000126	
Total HpCDD	0.0000138		
Total TCDF	ND	0.000000481	
Total PeCDF	ND	0.000000520	
Total HxCDF	ND		0.000000377
Total HpCDF	0.00000176		0.00000296

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:21

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2663

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

28035
0.1°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2663-01 Water	**Sampled: 08/24/06 10:15**	
1613-Dioxin-HR-Alta	08/31/06 10:15	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2663-01M)
1 L Amber (IPH2663-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received On Ice:: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28035

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CV	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 8/28/06 1222	**Initials:** BLB	**Location:** WR-2 **Shelf/Rack:** B-4

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.1°	**Time:** 0905		**Thermometer ID:** DT-20			

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 7900 4862 2610	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 15:01

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2664-01	Z-EFF	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.091**	1	08/30/06	09/02/06	
Sample ID: IPH2664-01 (Z-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.47**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**4.7**	1	08/30/06	09/02/06	J
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**0.69**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.10**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**29**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H30054	0.15	0.20	ND	1	08/30/06	08/30/06	
Nickel	EPA 200.7	6H30136	2.0	10	**2.3**	1	08/30/06	09/02/06	J
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.41**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2664-01 (Z-EFF - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.52**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	ND	1	08/25/06	09/02/06	
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.80**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.42**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**1.0**	1	08/28/06	08/28/06	
Sample ID: IPH2664-01 (Z-EFF - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	ND	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**2.0**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**190**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**1.4**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.89	4.7	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**92**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**370**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29101	0.50	1.0	**12**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	ND	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**3.6**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.42**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2664-01 (Z-EFF - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**610**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Z-EFF (IPH2664-01) - Water					
EPA 150.1	1	08/24/2006 08:35	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 08:35	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 08:35	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 11:44
Filtration	1	08/24/2006 08:35	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30054 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30054-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/30/2006 (6H30054-BS1)											
Mercury	7.76	0.20	0.15	ug/l	8.00		97	85-115			
Matrix Spike Analyzed: 08/30/2006 (6H30054-MS1)						**Source: IPH3002-01**					
Mercury	5.98	0.20	0.15	ug/l	8.00	ND	75	70-130			
Matrix Spike Dup Analyzed: 08/30/2006 (6H30054-MSD1)						**Source: IPH3002-01**					
Mercury	5.72	0.20	0.15	ug/l	8.00	ND	72	70-130	4	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29101 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29101-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29101-BS1)											
Total Organic Carbon	11.0	1.0	0.50	mg/l	10.0		110	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29101-MS1)						**Source: IPH2366-01**					
Total Organic Carbon	6.91	1.0	0.50	mg/l	5.00	1.3	112	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29101-MSD1)						**Source: IPH2366-01**					
Total Organic Carbon	6.70	1.0	0.50	mg/l	5.00	1.3	108	80-120	3	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2664

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2664-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

112664

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Field readings: Temp = 77° pH= 7.6 Comments
Z-EFF	W	Poly-1L	1	8-24-06 08:35	HNO3	1	X														
Z-EFF	W	Poly-1L	1		None	2		X													
Z-EFF	W	VOAs	2		HCl	3A, 3B			X												
Z-EFF	W	1L Amber	2		HCl	4A, 4B				X											
Z-EFF	W	Poly-500 ml	1		H2SO4	5					X										
Z-EFF	W	Poly-500 ml	1		None	6						X									
Z-EFF	W	Poly-500 ml	2		None	7A, 7B							X								
Z-EFF	W	Poly-500 ml	1		H2SO4	8								X							
Z-EFF	W	Poly-1L	1		None	9									X						
Z-EFF	W	1L Amber	2	8-24-06 08:35	None	10A, 10B										X					

PM 2/15

Relinquished By	Date/Time:	Received By	Date/Time:
	8-24-06 1635		8.24.06 1655
Relinquished By	Date/Time:	Received By	Date/Time:
	8.24.06 2000		
Relinquished By	Date/Time:	Received By	Date/Time:
			8/24/06 2010

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X
Perchlorate Only 72 Hours_____
Metals Only 72 Hours_____
Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 06, 2006

Alta Project I.D.: 28033

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2664". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

ACCREDITED IN ACCORDANCE WITH NELAC

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

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28033-001	IPH2664-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437	
Total PeCDD	ND	0.000000656	
Total HxCDD	ND	0.000000955	
Total HpCDD	ND	0.000000797	
Total TCDF	ND	0.000000449	
Total PeCDF	ND	0.000000522	
Total HxCDF	ND	0.000000486	
Total HpCDF	ND	0.000000666	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:11

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:11

Sample ID: **IPH2664-01** **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28033-001	Date Received:	26-Aug-06
Project:	IPH2664	Sample Size:	1.02 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0835						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000639		
1,2,3,7,8-PeCDD	ND	0.000000777		
1,2,3,4,7,8-HxCDD	ND	0.00000263		
1,2,3,6,7,8-HxCDD	ND	0.00000114		
1,2,3,7,8,9-HxCDD	ND	0.00000114		
1,2,3,4,6,7,8-HpCDD	0.00000587			J
OCDD	0.0000496			
2,3,7,8-TCDF	ND	0.000000658		
1,2,3,7,8-PeCDF	ND	0.000000771		
2,3,4,7,8-PeCDF	ND	0.000000725		
1,2,3,4,7,8-HxCDF	ND	0.000000612		
1,2,3,6,7,8-HxCDF	ND	0.000000580		
2,3,4,6,7,8-HxCDF	ND	0.000000728		
1,2,3,7,8,9-HxCDF	ND	0.00000103		
1,2,3,4,6,7,8-HpCDF	ND	0.000000988		
1,2,3,4,7,8,9-HpCDF	ND	0.00000114		
OCDF	ND	0.00000194		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	69.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	51.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	62.6	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	58.1	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	61.8	23 - 140	
	13C-OCDD	49.8	17 - 157	
	13C-2,3,7,8-TCDF	69.9	24 - 169	
	13C-1,2,3,7,8-PeCDF	56.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	54.6	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	70.6	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	61.8	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	62.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	59.7	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	60.2	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	56.9	26 - 138	
	13C-OCDF	49.1	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	80.8	35 - 197	

Totals				
Total TCDD	ND	0.000000639		
Total PeCDD	ND	0.000000777		
Total HxCDD	ND	0.00000164		
Total HpCDD	ND		0.0000114	
Total TCDF	ND	0.000000658		
Total PeCDF	ND	0.000000748		
Total HxCDF	ND	0.000000738		
Total HpCDF	0.00000587	0.00000106		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 11:11

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2664

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical 28033
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762 0.1°C
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2664-01 Water	**Sampled: 08/24/06 08:35**	
1613-Dioxin-HR-Alta	08/31/06 08:35	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2664-01M)
1 L Amber (IPH2664-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No | Sample labels/COC agree: ☐ Yes ☐ No | Samples Received On Ice:: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No | Samples Preserved Properly: ☐ Yes ☐ No | Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
	8/25/06			8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28033

Samples Arrival:	Date/Time 8/26/06 0845	Initials: CV	Location: WR-2 Shelf/Rack:
Logged In:	Date/Time 8/28/06 1015	Initials: BLB	Location: WR-2 Shelf/Rack: B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice		Dry Ice	None	
Temp °C 0.1°	Time: 0855			Thermometer ID: DT-20		

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7921 9081 8461	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments:

TestAmerica
ANALYTICAL TESTING CORPORATION

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test

Sampled: 08/24/06
Received: 08/24/06
Issued: 09/18/06 15:24

NELAP #01108CA California ELAP#1197 CSDLAC #10117

SAMPLE CROSS REFERENCE

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

LABORATORY ID	CLIENT ID	MATRIX
IPH2665-01	PT-INF2	Water

Reviewed By:

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water)									
Reporting Units: mg/l									
Iron	EPA 200.7	6H30136	0.015	0.040	**0.36**	1	08/30/06	09/02/06	
Sample ID: IPH2665-01 (PT-INF2 - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8	6H30077	0.050	2.0	**0.40**	1	08/30/06	09/01/06	J
Arsenic	EPA 200.7	6H30136	4.4	5.0	**4.8**	1	08/30/06	09/02/06	J
Beryllium	EPA 200.7	6H30136	0.90	2.0	ND	1	08/30/06	09/02/06	
Cadmium	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Chromium	EPA 200.7	6H30136	2.0	5.0	ND	1	08/30/06	09/02/06	
Copper	EPA 200.8	6H30077	0.25	2.0	**1.8**	1	08/30/06	09/01/06	J
Lead	EPA 200.8	6H30077	0.040	1.0	**0.21**	1	08/30/06	09/01/06	J
Manganese	EPA 200.7	6H30136	7.0	20	**65**	1	08/30/06	09/02/06	
Mercury	EPA 245.1	6H30054	0.15	0.20	ND	1	08/30/06	08/30/06	
Nickel	EPA 200.7	6H30136	2.0	10	ND	1	08/30/06	09/02/06	
Selenium	EPA 200.8	6H30077	0.30	2.0	**0.34**	1	08/30/06	09/01/06	J
Silver	EPA 200.8	6H30077	0.025	1.0	ND	1	08/30/06	09/01/06	
Thallium	EPA 200.8	6H30077	0.15	1.0	ND	1	08/30/06	09/01/06	
Zinc	EPA 200.7	6H30136	15	20	ND	1	08/30/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water) - cont.									
Reporting Units: mg/l									
Iron	EPA 200.7-Diss	6H25150	0.015	0.040	ND	1	08/25/06	09/02/06	
Sample ID: IPH2665-01 (PT-INF2 - Water)									
Reporting Units: ug/l									
Antimony	EPA 200.8-Diss	6H31074	0.050	2.0	**0.52**	1	08/31/06	09/01/06	J
Arsenic	EPA 200.7-Diss	6H25150	4.4	5.0	**4.4**	1	08/25/06	09/02/06	J
Beryllium	EPA 200.7-Diss	6H25150	0.90	2.0	ND	1	08/25/06	09/02/06	
Cadmium	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Chromium	EPA 200.7-Diss	6H25150	2.0	5.0	ND	1	08/25/06	09/02/06	
Copper	EPA 200.8-Diss	6H31074	0.25	2.0	**0.85**	1	08/31/06	09/01/06	J
Lead	EPA 200.8-Diss	6H31074	0.040	1.0	ND	1	08/31/06	09/01/06	
Manganese	EPA 200.7-Diss	6H25150	7.0	20	ND	1	08/25/06	09/02/06	
Mercury	EPA 245.1-Diss	6H28084	0.15	0.20	ND	1	08/28/06	08/28/06	
Nickel	EPA 200.7-Diss	6H25150	2.0	10	ND	1	08/25/06	09/02/06	
Selenium	EPA 200.8-Diss	6H31074	0.30	2.0	**0.35**	1	08/31/06	09/01/06	J
Silver	EPA 200.8-Diss	6H31074	0.025	1.0	ND	1	08/31/06	09/01/06	
Thallium	EPA 200.8-Diss	6H31074	0.15	1.0	ND	1	08/31/06	09/01/06	
Zinc	EPA 200.7-Diss	6H25150	15	20	ND	1	08/25/06	09/02/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water) - cont.									
Reporting Units: g/cc									
Density	Displacement	6H28075	N/A	NA	**0.99**	1	08/28/06	08/28/06	
Sample ID: IPH2665-01 (PT-INF2 - Water)									
Reporting Units: mg/l									
Sediment	ASTM D3977	6I05094	10	10	**13**	1	09/05/06	09/05/06	
Total Kjeldahl Nitrogen	EPA 351.3	6I01096	0.43	0.50	**1.4**	1	09/01/06	09/01/06	
Alkalinity as CaCO3	EPA 310.1	6I01118	2.0	2.0	**190**	1	09/01/06	09/01/06	
Ammonia-N (Distilled)	EPA 350.2	6I04027	0.30	0.50	**0.56**	1	09/04/06	09/04/06	
Hardness (as CaCO3)	SM2340B	6H30136	1.0	1.0	**210**	1	08/30/06	09/02/06	
Nitrate-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Nitrate/Nitrite-N	EPA 300.0	6H25044	0.080	0.15	ND	1	08/25/06	08/25/06	
Oil & Grease	EPA 413.1	6H25058	0.90	4.8	ND	1	08/25/06	08/25/06	
Sulfate	EPA 300.0	6H25044	2.2	2.5	**93**	5	08/25/06	08/25/06	
Total Dissolved Solids	SM2540C	6H30067	10	10	**360**	1	08/30/06	08/30/06	
Total Organic Carbon	EPA 415.1	6H29101	0.50	1.0	**12**	1	08/29/06	08/29/06	
Total Suspended Solids	EPA 160.2	6H30133	10	10	**13**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	6H25099	0.040	1.0	**7.1**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water) - cont.									
Reporting Units: pH Units									
pH	EPA 150.1	6H25086	N/A	NA	**8.56**	1	08/25/06	08/25/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH2665-01 (PT-INF2 - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	6H30066	N/A	1.0	**610**	1	08/30/06	08/30/06	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PT-INF2 (IPH2665-01) - Water					
EPA 150.1	1	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 09:00	08/25/2006 09:40
EPA 180.1	2	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 12:00	08/25/2006 13:20
EPA 300.0	2	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 09:20	08/25/2006 12:00
Filtration	1	08/24/2006 08:00	08/24/2006 20:00	08/25/2006 21:02	08/25/2006 21:02

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30054 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30054-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/30/2006 (6H30054-BS1)											
Mercury	7.76	0.20	0.15	ug/l	8.00		97	85-115			
Matrix Spike Analyzed: 08/30/2006 (6H30054-MS1)						**Source: IPH3002-01**					
Mercury	5.98	0.20	0.15	ug/l	8.00	ND	75	70-130			
Matrix Spike Dup Analyzed: 08/30/2006 (6H30054-MSD1)						**Source: IPH3002-01**					
Mercury	5.72	0.20	0.15	ug/l	8.00	ND	72	70-130	4	20	
Batch: 6H30077 Extracted: 08/30/06											
Blank Analyzed: 09/01/2006 (6H30077-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: 09/01/2006 (6H30077-BS1)											
Antimony	72.8	2.0	0.050	ug/l	80.0		91	85-115			
Cadmium	74.2	1.0	0.025	ug/l	80.0		93	85-115			
Copper	78.5	2.0	0.25	ug/l	80.0		98	85-115			
Lead	76.5	1.0	0.040	ug/l	80.0		96	85-115			
Selenium	75.8	2.0	0.30	ug/l	80.0		95	85-115			
Silver	79.9	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	77.5	1.0	0.15	ug/l	80.0		97	85-115			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30077 Extracted: 08/30/06											
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS1)						**Source: IPH2656-01**					
Antimony	68.9	2.0	0.050	ug/l	80.0	0.47	86	70-130			
Cadmium	66.3	1.0	0.025	ug/l	80.0	0.031	83	70-130			
Copper	70.8	2.0	0.25	ug/l	80.0	0.77	88	70-130			
Lead	67.0	1.0	0.040	ug/l	80.0	0.077	84	70-130			
Selenium	67.2	2.0	0.30	ug/l	80.0	ND	84	70-130			
Silver	69.2	1.0	0.025	ug/l	80.0	0.038	86	70-130			
Thallium	68.2	1.0	0.15	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H30077-MS2)						**Source: IPH2657-01**					
Antimony	68.1	2.0	0.050	ug/l	80.0	0.42	85	70-130			
Cadmium	67.5	1.0	0.025	ug/l	80.0	0.025	84	70-130			
Copper	71.3	2.0	0.25	ug/l	80.0	1.1	88	70-130			
Lead	66.3	1.0	0.040	ug/l	80.0	0.14	83	70-130			
Selenium	69.3	2.0	0.30	ug/l	80.0	ND	87	70-130			
Silver	70.7	1.0	0.025	ug/l	80.0	ND	88	70-130			
Thallium	67.3	1.0	0.15	ug/l	80.0	ND	84	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H30077-MSD1)						**Source: IPH2656-01**					
Antimony	67.2	2.0	0.050	ug/l	80.0	0.47	83	70-130	2	20	
Cadmium	65.7	1.0	0.025	ug/l	80.0	0.031	82	70-130	1	20	
Copper	69.8	2.0	0.25	ug/l	80.0	0.77	86	70-130	1	20	
Lead	65.0	1.0	0.040	ug/l	80.0	0.077	81	70-130	3	20	
Selenium	66.1	2.0	0.30	ug/l	80.0	ND	83	70-130	2	20	
Silver	68.8	1.0	0.025	ug/l	80.0	0.038	86	70-130	1	20	
Thallium	66.5	1.0	0.15	ug/l	80.0	ND	83	70-130	3	20	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30136 Extracted: 08/30/06											
LCS Analyzed: 09/02/2006 (6H30136-BS1)											
Arsenic	477	5.0	4.4	ug/l	500		95	85-115			
Beryllium	475	2.0	0.90	ug/l	500		95	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Iron	0.486	0.040	0.015	mg/l	0.500		97	85-115			
Manganese	488	20	7.0	ug/l	500		98	85-115			
Nickel	469	10	2.0	ug/l	500		94	85-115			
Zinc	479	20	15	ug/l	500		96	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS1)						**Source: IPH2656-01**					
Arsenic	507	5.0	4.4	ug/l	500	6.3	100	70-130			
Beryllium	496	2.0	0.90	ug/l	500	ND	99	70-130			
Chromium	488	5.0	2.0	ug/l	500	ND	98	70-130			
Iron	0.557	0.040	0.015	mg/l	0.500	0.067	98	70-130			
Manganese	897	20	7.0	ug/l	500	410	97	70-130			
Nickel	472	10	2.0	ug/l	500	ND	94	70-130			
Zinc	495	20	15	ug/l	500	ND	99	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H30136-MS2)						**Source: IPH2657-01**					
Arsenic	513	5.0	4.4	ug/l	500	6.0	101	70-130			
Beryllium	511	2.0	0.90	ug/l	500	ND	102	70-130			
Chromium	498	5.0	2.0	ug/l	500	ND	100	70-130			
Iron	0.648	0.040	0.015	mg/l	0.500	0.13	104	70-130			
Manganese	551	20	7.0	ug/l	500	40	102	70-130			
Nickel	486	10	2.0	ug/l	500	ND	97	70-130			
Zinc	504	20	15	ug/l	500	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/02/2006 (6H30136-MSD1)						**Source: IPH2656-01**					
Arsenic	520	5.0	4.4	ug/l	500	6.3	103	70-130	3	20	
Beryllium	514	2.0	0.90	ug/l	500	ND	103	70-130	4	20	
Chromium	521	5.0	2.0	ug/l	500	ND	104	70-130	7	20	
Iron	0.701	0.040	0.015	mg/l	0.500	0.067	127	70-130	23	20	*R-3*
Manganese	931	20	7.0	ug/l	500	410	104	70-130	4	20	
Nickel	504	10	2.0	ug/l	500	ND	101	70-130	7	20	
Zinc	518	20	15	ug/l	500	ND	104	70-130	5	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Blank Analyzed: 09/02/2006 (6H25150-BLK1)											
Arsenic	ND	5.0	4.4	ug/l							
Beryllium	ND	2.0	0.90	ug/l							
Chromium	ND	5.0	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							
Zinc	ND	20	15	ug/l							
LCS Analyzed: 09/02/2006 (6H25150-BS1)											
Arsenic	1010	5.0	4.4	ug/l	1000		101	85-115			
Beryllium	1020	2.0	0.90	ug/l	1000		102	85-115			
Chromium	1020	5.0	2.0	ug/l	1000		102	85-115			
Iron	1.03	0.040	0.015	mg/l	1.00		103	85-115			
Manganese	1040	20	7.0	ug/l	1000		104	85-115			
Nickel	1020	10	2.0	ug/l	1000		102	85-115			
Zinc	1040	20	15	ug/l	1000		104	85-115			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS1)						**Source: IPH2650-01**					
Arsenic	1010	5.0	4.4	ug/l	1000	ND	101	70-130			
Beryllium	962	2.0	0.90	ug/l	1000	ND	96	70-130			
Chromium	963	5.0	2.0	ug/l	1000	ND	96	70-130			
Iron	0.936	0.040	0.015	mg/l	1.00	ND	94	70-130			
Manganese	972	20	7.0	ug/l	1000	14	96	70-130			
Nickel	949	10	2.0	ug/l	1000	3.2	95	70-130			
Zinc	1020	20	15	ug/l	1000	ND	102	70-130			
Matrix Spike Analyzed: 09/02/2006 (6H25150-MS2)						**Source: IPH2650-02**					
Arsenic	1050	5.0	4.4	ug/l	1000	4.8	105	70-130			
Beryllium	998	2.0	0.90	ug/l	1000	ND	100	70-130			
Chromium	996	5.0	2.0	ug/l	1000	ND	100	70-130			
Iron	2.05	0.040	0.015	mg/l	1.00	1.1	95	70-130			
Manganese	1040	20	7.0	ug/l	1000	37	100	70-130			
Nickel	982	10	2.0	ug/l	1000	4.2	98	70-130			
Zinc	1050	20	15	ug/l	1000	ND	105	70-130			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25150 Extracted: 08/25/06											
Matrix Spike Dup Analyzed: 09/02/2006 (6H25150-MSD1)						**Source: IPH2650-01**					
Arsenic	1030	5.0	4.4	ug/l	1000	ND	103	70-130	2	20	
Beryllium	988	2.0	0.90	ug/l	1000	ND	99	70-130	3	20	
Chromium	981	5.0	2.0	ug/l	1000	ND	98	70-130	2	20	
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	70-130	2	20	
Manganese	991	20	7.0	ug/l	1000	14	98	70-130	2	20	
Nickel	970	10	2.0	ug/l	1000	3.2	97	70-130	2	20	
Zinc	1040	20	15	ug/l	1000	ND	104	70-130	2	20	
Batch: 6H28084 Extracted: 08/28/06											
Blank Analyzed: 08/28/2006 (6H28084-BLK1)											
Mercury	ND	0.20	0.15	ug/l							
LCS Analyzed: 08/28/2006 (6H28084-BS1)											
Mercury	8.00	0.20	0.15	ug/l	8.00		100	85-115			
Matrix Spike Analyzed: 08/28/2006 (6H28084-MS1)						**Source: IPH2507-08**					
Mercury	7.89	0.20	0.15	ug/l	8.00	ND	99	70-130			
Matrix Spike Dup Analyzed: 08/28/2006 (6H28084-MSD1)						**Source: IPH2507-08**					
Mercury	7.91	0.20	0.15	ug/l	8.00	ND	99	70-130	0	20	
Batch: 6H31074 Extracted: 08/31/06											
Blank Analyzed: 09/01/2006 (6H31074-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							

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H31074 Extracted: 08/31/06											
LCS Analyzed: 09/01/2006 (6H31074-BS1)											
Antimony	82.6	2.0	0.050	ug/l	80.0		103	85-115			
Cadmium	82.6	1.0	0.025	ug/l	80.0		103	85-115			
Copper	80.9	2.0	0.25	ug/l	80.0		101	85-115			
Lead	80.5	1.0	0.040	ug/l	80.0		101	85-115			
Selenium	81.5	2.0	0.30	ug/l	80.0		102	85-115			
Silver	80.2	1.0	0.025	ug/l	80.0		100	85-115			
Thallium	78.9	1.0	0.15	ug/l	80.0		99	85-115			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS1)						**Source: IPH2656-01**					
Antimony	86.6	2.0	0.050	ug/l	80.0	0.66	107	70-130			
Cadmium	82.5	1.0	0.025	ug/l	80.0	0.031	103	70-130			
Copper	79.7	2.0	0.25	ug/l	80.0	0.54	99	70-130			
Lead	77.7	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	81.7	2.0	0.30	ug/l	80.0	0.51	101	70-130			
Silver	79.1	1.0	0.025	ug/l	80.0	ND	99	70-130			
Thallium	78.1	1.0	0.15	ug/l	80.0	0.33	97	70-130			
Matrix Spike Analyzed: 09/01/2006 (6H31074-MS2)						**Source: IPH2661-01**					
Antimony	83.4	2.0	0.050	ug/l	80.0	0.66	103	70-130			
Cadmium	80.9	1.0	0.025	ug/l	80.0	ND	101	70-130			
Copper	79.1	2.0	0.25	ug/l	80.0	0.85	98	70-130			
Lead	77.3	1.0	0.040	ug/l	80.0	ND	97	70-130			
Selenium	79.5	2.0	0.30	ug/l	80.0	0.61	99	70-130			
Silver	77.9	1.0	0.025	ug/l	80.0	ND	97	70-130			
Thallium	77.6	1.0	0.15	ug/l	80.0	0.27	97	70-130			
Matrix Spike Dup Analyzed: 09/01/2006 (6H31074-MSD1)						**Source: IPH2656-01**					
Antimony	84.6	2.0	0.050	ug/l	80.0	0.66	105	70-130	2	20	
Cadmium	81.4	1.0	0.025	ug/l	80.0	0.031	102	70-130	1	20	
Copper	78.6	2.0	0.25	ug/l	80.0	0.54	98	70-130	1	20	
Lead	76.7	1.0	0.040	ug/l	80.0	ND	96	70-130	1	20	
Selenium	80.7	2.0	0.30	ug/l	80.0	0.51	100	70-130	1	20	
Silver	77.5	1.0	0.025	ug/l	80.0	ND	97	70-130	2	20	
Thallium	77.0	1.0	0.15	ug/l	80.0	0.33	96	70-130	1	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25044 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25044-BLK1)											
Nitrate-N	ND	0.15	0.080	mg/l							
Nitrite-N	ND	0.15	0.080	mg/l							
Nitrate/Nitrite-N	ND	0.15	0.080	mg/l							
Sulfate	ND	0.50	0.45	mg/l							
LCS Analyzed: 08/25/2006 (6H25044-BS1)											
Nitrate-N	1.19	0.15	0.080	mg/l	1.13		105	90-110			
Nitrite-N	1.48	0.15	0.080	mg/l	1.52		97	90-110			
Sulfate	10.3	0.50	0.45	mg/l	10.0		103	90-110			
Matrix Spike Analyzed: 08/25/2006 (6H25044-MS1)						**Source: IPH2656-01**					
Nitrate-N	1.16	0.75	0.40	mg/l	1.13	ND	103	80-120			
Nitrite-N	1.64	0.75	0.40	mg/l	1.52	ND	108	80-120			
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120			*M2*
Matrix Spike Dup Analyzed: 08/25/2006 (6H25044-MSD1)						**Source: IPH2656-01**					
Nitrate-N	1.18	0.75	0.40	mg/l	1.13	ND	104	80-120	2	20	
Nitrite-N	1.58	0.75	0.40	mg/l	1.52	ND	104	80-120	4	20	
Sulfate	115	2.5	2.2	mg/l	10.0	110	50	80-120	0	20	*M2*
Batch: 6H25058 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25058-BLK1)											
Oil & Grease	ND	5.0	0.94	mg/l							
LCS Analyzed: 08/25/2006 (6H25058-BS1)											**M-NR1**
Oil & Grease	18.7	5.0	0.94	mg/l	20.0		94	65-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H25058 Extracted: 08/25/06											
LCS Dup Analyzed: 08/25/2006 (6H25058-BSD1)											
Oil & Grease	18.1	5.0	0.94	mg/l	20.0		90	65-120	3	20	
Batch: 6H25086 Extracted: 08/25/06											
Duplicate Analyzed: 08/25/2006 (6H25086-DUP1)						**Source: IPH2620-01**					
pH	7.11	NA	N/A	pH Units		7.08			0	5	
Duplicate Analyzed: 08/25/2006 (6H25086-DUP2)						**Source: IPH2658-01**					
pH	7.77	NA	N/A	pH Units		7.75			0	5	
Batch: 6H25099 Extracted: 08/25/06											
Blank Analyzed: 08/25/2006 (6H25099-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 08/25/2006 (6H25099-DUP1)						**Source: IPH2620-01**					
Turbidity	0.500	1.0	0.040	NTU		0.47			6	20	*J*
Duplicate Analyzed: 08/25/2006 (6H25099-DUP2)						**Source: IPH2658-01**					
Turbidity	4.22	1.0	0.040	NTU		4.3			2	20	
Batch: 6H28075 Extracted: 08/28/06											
Duplicate Analyzed: 08/28/2006 (6H28075-DUP1)						**Source: IPH2656-01**					
Density	0.998	NA	N/A	g/cc		1.0			0	20	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H29101 Extracted: 08/29/06											
Blank Analyzed: 08/29/2006 (6H29101-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 08/29/2006 (6H29101-BS1)											
Total Organic Carbon	11.0	1.0	0.50	mg/l	10.0		110	90-110			
Matrix Spike Analyzed: 08/29/2006 (6H29101-MS1)						**Source: IPH2366-01**					
Total Organic Carbon	6.91	1.0	0.50	mg/l	5.00	1.3	112	80-120			
Matrix Spike Dup Analyzed: 08/29/2006 (6H29101-MSD1)						**Source: IPH2366-01**					
Total Organic Carbon	6.70	1.0	0.50	mg/l	5.00	1.3	108	80-120	3	20	
Batch: 6H30066 Extracted: 08/30/06											
Duplicate Analyzed: 08/30/2006 (6H30066-DUP1)						**Source: IPH2650-01**					
Specific Conductance	2320	1.0	N/A	umhos/cm		2300			1	5	
Batch: 6H30067 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30067-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30067-BS1)											
Total Dissolved Solids	994	10	10	mg/l	1000		99	90-110			
Duplicate Analyzed: 08/30/2006 (6H30067-DUP1)						**Source: IPH2650-01**					
Total Dissolved Solids	1790	10	10	mg/l		1800			1	10	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H30133 Extracted: 08/30/06											
Blank Analyzed: 08/30/2006 (6H30133-BLK1)											
Total Suspended Solids	ND	10	10	mg/l							
LCS Analyzed: 08/30/2006 (6H30133-BS1)											
Total Suspended Solids	923	10	10	mg/l	1000		92	85-115			
Duplicate Analyzed: 08/30/2006 (6H30133-DUP1)						**Source: IPH2652-01**					
Total Suspended Solids	120	10	10	mg/l		120			0	10	
Batch: 6H30136 Extracted: 08/30/06											
Blank Analyzed: 09/02/2006 (6H30136-BLK1)											
Hardness (as CaCO3)	ND	1.0	1.0	mg/l							
Batch: 6I01096 Extracted: 09/01/06											
Blank Analyzed: 09/01/2006 (6I01096-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50	0.43	mg/l							
LCS Analyzed: 09/01/2006 (6I01096-BS1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120			
LCS Dup Analyzed: 09/01/2006 (6I01096-BSD1)											
Total Kjeldahl Nitrogen	19.9	0.50	0.43	mg/l	20.0		100	85-120	0	15	
Matrix Spike Analyzed: 09/01/2006 (6I01096-MS1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120			

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6I01096 Extracted: 09/01/06											
Matrix Spike Dup Analyzed: 09/01/2006 (6I01096-MSD1)						**Source: IPH2833-01**					
Total Kjeldahl Nitrogen	10.9	0.50	0.43	mg/l	10.0	0.84	101	85-120	0	15	
Batch: 6I01118 Extracted: 09/01/06											
Duplicate Analyzed: 09/01/2006 (6I01118-DUP1)						**Source: IPH2610-01**					
Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Reference Analyzed: 09/01/2006 (6I01118-SRM1)											
Alkalinity as CaCO3	224	2.0	2.0	mg/l	231		97	90-110			
Batch: 6I04027 Extracted: 09/04/06											
Blank Analyzed: 09/04/2006 (6I04027-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/04/2006 (6I04027-BS1)											
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0		109	80-115			
Matrix Spike Analyzed: 09/04/2006 (6I04027-MS1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	11.2	0.50	0.30	mg/l	10.0	0.56	106	70-120			
Matrix Spike Dup Analyzed: 09/04/2006 (6I04027-MSD1)						**Source: IPH2666-01**					
Ammonia-N (Distilled)	10.9	0.50	0.30	mg/l	10.0	0.56	103	70-120	3	15	

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
R-3	The RPD exceeded the method control 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, CA
Amy Windham For Michele Chamberlin
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
300 North Lake Avenue, Suite 1200
Pasadena, CA 91101
Attention: Bronwyn Kelly

Project ID: Boeing-SSFL BMP/NPDES
R-2A Pond Pilot Test
Report Number: IPH2665

Sampled: 08/24/06
Received: 08/24/06

Certification Summary

TestAmerica - Irvine, CA

Method	Matrix	Nelac	California
1613A/1613B	Water		
ASTM D3977	Water		
Displacement	Water		
EPA 120.1	Water	X	X
EPA 150.1	Water	X	X
EPA 160.2	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 245.1-Diss	Water	X	X
EPA 245.1	Water	X	X
EPA 300.0	Water	X	X
EPA 310.1	Water	X	X
EPA 350.2	Water		X
EPA 351.3	Water		
EPA 413.1	Water	X	X
EPA 415.1	Water	X	X
Filtration	Water	N/A	N/A
SM2340B	Water	X	X
SM2540C	Water	X	X

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

Subcontracted Laboratories

Alta Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: IPH2665-01

TestAmerica - Irvine, CA
Amy Windham For Michele Chamberlin
Project Manager

Del Mar Analytical Version 04/28/06 CHAIN OF CUSTODY FORM

IPH2665

Client Name/Address:	Project:
MWH-Pasadena 300 North Lake Avenue, Suite 1200 Pasadena, CA 91101	Boeing-SSFL BMP/NPDES R-2A Pond Filtration Pilot Test
Project Manager: Bronwyn Kelly Sampler: BANAGA	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle * #	ANALYSIS REQUIRED: Total Recoverable Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn, Hardness	Total Dissolved Solids, pH, Alkalinity, Suspended Sediments Concentration (ASTM Method)	Total Organic Carbon	Oil & Grease (EPA 413.1)	Total Kjeldhal Nitrogen	SO4, NO3+NO2-N, Nitrate-N, Nitrite-N (NO3 + NO2-N)	Turbidity, TSS, Conductivity	Ammonia-N (NH3-N)	Total Dissolved Metals: As, Ag, Be, Cd, Cr, Cu, Pb, Hg, Ni, Mn, Sb, Se, Tl, Fe*, Zn	TCDD (and all congeners)					Field readings: Temp = 78 pH=8.2 Comments
PT-INF2	W	Poly-1L	1	8-24-06 08:00	HNO3	1	X															
PT-INF2	W	Poly-1L	1		None	2		X														
PT-INF2	W	VOAs	2		HCl	3A, 3B			X													
PT-INF2	W	1L Amber	2		HCl	4A, 4B				X												
PT-INF2	W	Poly-500 ml	1		H2SO4	5					X											
PT-INF2	W	Poly-500 ml	1		None	6						X										
PT-INF2	W	Poly-500 ml	2		None	7A, 7B							X									
PT-INF2	W	Poly-500 ml	1		H2SO4	8								X								
PT-INF2	W	Poly-1L	1		None	9									X							
PT-INF2	W	1L Amber	2	8-24-06 08:00	None	10A, 10B										X						

pw2230

Relinquished By	Date/Time:	Received By	Date/Time:
8-24-06	1635		8-24-06 1635
Relinquished By	Date/Time:	Received By	Date/Time:
8/24/06	2050		
Relinquished By	Date/Time:	Received By	Date/Time:
			8/24/06 2000

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Perchlorate Only 72 Hours_____

Metals Only 72 Hours_____

Sample Integrity: (Check)
Intact X On Ice: 4°C

ALTA

September 05, 2006

Alta Project I.D.: 28029

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

Dear Ms. Chamberlin,

Enclosed are the results for the one aqueous sample received at Alta Analytical Laboratory on August 26, 2006 under your Project Name "IPH2665". This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

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

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

Sincerely,

Martha M. Maier
Director of HRMS Services

Alta Analytical Laboratory, Inc.
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 933-1640
FAX (916) 673-0106

Section I: Sample Inventory Report

Date Received: **8/26/2006**

Alta Lab. ID	Client Sample ID
28029-001	IPH2665-01

SECTION II

Method Blank **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000437		
1,2,3,7,8-PeCDD	ND	0.000000656		
1,2,3,4,7,8-HxCDD	ND	0.00000148		
1,2,3,6,7,8-HxCDD	ND	0.000000701		
1,2,3,7,8,9-HxCDD	ND	0.000000685		
1,2,3,4,6,7,8-HpCDD	ND	0.000000797		
OCDD	ND	0.00000160		
2,3,7,8-TCDF	ND	0.000000449		
1,2,3,7,8-PeCDF	ND	0.000000522		
2,3,4,7,8-PeCDF	ND	0.000000523		
1,2,3,4,7,8-HxCDF	ND	0.000000417		
1,2,3,6,7,8-HxCDF	ND	0.000000372		
2,3,4,6,7,8-HxCDF	ND	0.000000445		
1,2,3,7,8,9-HxCDF	ND	0.000000712		
1,2,3,4,6,7,8-HpCDF	ND	0.000000576		
1,2,3,4,7,8,9-HpCDF	ND	0.000000755		
OCDF	ND	0.00000169		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	89.3	25 - 164	
	13C-1,2,3,7,8-PeCDD	72.3	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	87.5	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	83.2	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	75.8	23 - 140	
	13C-OCDD	54.5	17 - 157	
	13C-2,3,7,8-TCDF	91.1	24 - 169	
	13C-1,2,3,7,8-PeCDF	79.7	24 - 185	
	13C-2,3,4,7,8-PeCDF	75.4	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	95.1	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	87.9	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	87.1	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	76.1	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	70.9	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	61.1	26 - 138	
	13C-OCDF	49.9	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Totals

Total TCDD	ND	0.000000437	
Total PeCDD	ND	0.000000656	
Total HxCDD	ND	0.000000955	
Total HpCDD	ND	0.000000797	
Total TCDF	ND	0.000000449	
Total PeCDF	ND	0.000000522	
Total HxCDF	ND	0.000000486	
Total HpCDF	ND	0.000000666	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:29

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	8329	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	29-Aug-06	Date Analyzed DB-5:	30-Aug-06
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits
2,3,7,8-TCDD	10.0	9.63	6.7 - 15.8
1,2,3,7,8-PeCDD	50.0	50.1	35 - 71
1,2,3,4,7,8-HxCDD	50.0	51.2	35 - 82
1,2,3,6,7,8-HxCDD	50.0	52.1	38 - 67
1,2,3,7,8,9-HxCDD	50.0	51.1	32 - 81
1,2,3,4,6,7,8-HpCDD	50.0	51.0	35 - 70
OCDD	100	103	78 - 144
2,3,7,8-TCDF	10.0	9.87	7.5 - 15.8
1,2,3,7,8-PeCDF	50.0	51.2	40 - 67
2,3,4,7,8-PeCDF	50.0	50.0	34 - 80
1,2,3,4,7,8-HxCDF	50.0	50.2	36 - 67
1,2,3,6,7,8-HxCDF	50.0	49.1	42 - 65
2,3,4,6,7,8-HxCDF	50.0	50.7	35 - 78
1,2,3,7,8,9-HxCDF	50.0	51.6	39 - 65
1,2,3,4,6,7,8-HpCDF	50.0	52.2	41 - 61
1,2,3,4,7,8,9-HpCDF	50.0	50.3	39 - 69
OCDF	100	102	63 - 170

	Labeled Standard	%R	LCL-UCL
IS	13C-2,3,7,8-TCDD	79.9	25 - 164
	13C-1,2,3,7,8-PeCDD	67.1	25 - 181
	13C-1,2,3,4,7,8-HxCDD	74.3	32 - 141
	13C-1,2,3,6,7,8-HxCDD	68.0	28 - 130
	13C-1,2,3,4,6,7,8-HpCDD	69.0	23 - 140
	13C-OCDD	53.1	17 - 157
	13C-2,3,7,8-TCDF	79.6	24 - 169
	13C-1,2,3,7,8-PeCDF	70.4	24 - 185
	13C-2,3,4,7,8-PeCDF	69.3	21 - 178
	13C-1,2,3,4,7,8-HxCDF	82.3	26 - 152
	13C-1,2,3,6,7,8-HxCDF	75.4	26 - 123
	13C-2,3,4,6,7,8-HxCDF	72.4	28 - 136
	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147
	13C-1,2,3,4,6,7,8-HpCDF	63.9	28 - 143
	13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138
	13C-OCDF	54.2	17 - 157
CRS	37Cl-2,3,7,8-TCDD	92.6	35 - 197

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:29

Sample ID: IPH2665-01 **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine	Matrix:	Aqueous	Lab Sample:	28029-001	Date Received:	26-Aug-06
Project:	IPH2665	Sample Size:	1.01 L	QC Batch No.:	8329	Date Extracted:	29-Aug-06
Date Collected:	24-Aug-06			Date Analyzed DB-5:	31-Aug-06	Date Analyzed DB-225:	NA
Time Collected:	0800						

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000659		
1,2,3,7,8-PeCDD	ND	0.000000866		
1,2,3,4,7,8-HxCDD	ND	0.00000297		
1,2,3,6,7,8-HxCDD	ND	0.00000103		
1,2,3,7,8,9-HxCDD	ND	0.00000104		
1,2,3,4,6,7,8-HpCDD	0.0000129			J
OCDD	0.000101			
2,3,7,8-TCDF	ND	0.000000824		
1,2,3,7,8-PeCDF	ND	0.000000823		
2,3,4,7,8-PeCDF	ND	0.000000808		
1,2,3,4,7,8-HxCDF	ND	0.000000653		
1,2,3,6,7,8-HxCDF	ND	0.000000602		
2,3,4,6,7,8-HxCDF	ND	0.000000710		
1,2,3,7,8,9-HxCDF	ND	0.00000107		
1,2,3,4,6,7,8-HpCDF	ND	0.00000112		
1,2,3,4,7,8,9-HpCDF	ND	0.00000125		
OCDF	ND		0.00000417	

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	67.4	25 - 164	
	13C-1,2,3,7,8-PeCDD	52.0	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	60.8	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	56.8	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	58.9	23 - 140	
	13C-OCDD	44.7	17 - 157	
	13C-2,3,7,8-TCDF	67.8	24 - 169	
	13C-1,2,3,7,8-PeCDF	55.3	24 - 185	
	13C-2,3,4,7,8-PeCDF	53.1	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	69.4	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	61.6	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	59.5	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	59.4	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	56.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	57.1	26 - 138	
	13C-OCDF	46.7	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	83.8	35 - 197	

Totals

Total TCDD	ND	0.000000659	
Total PeCDD	ND	0.000000866	
Total HxCDD	ND		0.00000287
Total HpCDD	0.0000253		
Total TCDF	0.00000248		
Total PeCDF	ND	0.000000816	
Total HxCDF	ND	0.000000759	
Total HpCDF	0.00000356		

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: William J. Luksemburg 05-Sep-2006 08:29

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IPH2665

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA	Alta Analytical
17461 Derian Avenue. Suite 100	1104 Windfield Way
Irvine, CA 92614	El Dorado Hills, CA 95762
Phone: (949) 261-1022	Phone :(916) 933-1640
Fax: (949) 260-3297	Fax: (916) 673-0106
Project Manager: Michele Chamberlin	

28029
0.7°C

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IPH2665-01 Water	**Sampled: 08/24/06 08:00**	
1613-Dioxin-HR-Alta	08/31/06 08:00	J flags,17 cngnrs,no TEQ,ug/L,sub=Alta, Boeing EDD

Containers Supplied:
1 L Amber (IPH2665-01M)
1 L Amber (IPH2665-01N)

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received On Ice:: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
[illegible]	8/25/06		Christine Vogel	8/26/06	0845
Released By	Date	Time	Received By	Date	Time

SAMPLE LOG-IN CHECKLIST

Alta Project #: 28029

Samples Arrival:	**Date/Time** 8/26/06 0845	**Initials:** CJ	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 8/29/06 0858	**Initials:** BLB	**Location:** WR-2 **Shelf/Rack:** B-3

Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other
Preservation:	(Ice)	Blue Ice	Dry Ice	None		
Temp °C 0.7°	**Time:** 0850	**Thermometer ID:** DT-20				

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 7905 4037 3914	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?			COC	Sample Container	(None)
Shipping Container	Alta	(Client)	Retain	(Return)	Dispose

Comments: