Analytical Resources, Incorporated
Analytical Chemists and Consultants

January 31, 2011

Tom Colligan
Floyd Snider
601 Union Street, Suite 600
Seattle, WA 98101-2341

RE: Project: Jorgensen Forge PLO
ARI Job No: SE82

Dear Tom:

Please find enclosed analytical results and the original Chain of Custody documentation (COC) for the project referenced above. Analytical Resources, Incorporated (ARI) accepted five water samples, twenty two soil samples and a trip blank on January 14, 2011. The samples were received in good condition. Select samples were placed on hold pending further instructions.

The samples were analyzed for Total Metals, SVOCs, VOCs, PCBs and NWTPH-Dx, as requested.

The soil PCBs LCSD surrogate DCBP is out of control high. The LCSD spike recoveries are in control and no action was taken.

The soil PCBs surrogate TCMX is out of control high for sample JF-T1B4-SO-03 due to matrix effects. No action was taken.

The SVOCs water 1/20/11 CCAL is out of control low for phenol, N-Nitroso-di-n-propylamine, 2,2-oxybis (1-Chloropropane) and 2,4-Dinitrophenol and benzo (g,h,i) perylene and dibenzo (a,h) anthracene are out of control high. All associated samples that contain analyte have been flagged with a "Q" qualifier.

The SVOCs water 1/20/11 LCS is out of control high for chrysene, Indeno (1,2,3-cd) pyrene and dibenzo (a,h) anthracene. The LCSD is in control and no action was taken.

The SVOCs 1/24/11 soil CCAL is out of control low for 2,4-Dinitrophenol and out of control high for Indeno(1,2,3-cd) pyrene, dibenzo (a,h) anthracene and benzo (g,h,i) perylene . All associated samples that contain analyte have been flagged with a "Q" qualifier.

The SVOCs 1/25/11 soil CCAL is out of control low for 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol and out of control high for Indeno(1,2,3-cd) pyrene, dibenzo (a,h) anthracene and benzo (g,h,i) perylene . All associated samples that contain analyte have been flagged with a "Q" qualifier.

The SVOCs 1/26/11 soil CCAL is out of control low for 4-Nitroaniline and out of control high for 2,4-Dinitrophenol, Indeno(1,2,3-cd) pyrene, dibenzo (a,h) anthracene and benzo (g,h,i) perylene . All associated samples that contain analyte have been flagged with a "Q" qualifier.

The soil SVOCs surrogate TBP is out of control low for sample JF-T1B3-SO-08. No action was taken.

The total metals sample duplicate RPD for sample JF-T1B2-SO-03 is outside of the +/- 20% control limit for nickel. No action was taken.

The VOCs 1/17/11 CCAL is out of control low for 2-Chloroethylvinylether. All associated samples that contain analyte have been flagged with a "Q" qualifier.

647384

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The VOCs 1/18/11 CCAL is out of control low for 2-Chloroethylvinylether and out of control high for acrolein and methyl iodide. All associated samples that contain analyte have been flagged with a "Q" qualifier.

The VOCs 1/17/11 LCS and LCSD are out of control low for 2-Chloroethylvinylether and out of control high for methyl iodide. No action was taken.

The VOCs 1/18/11 LCS is out of control high for methyl iodide. No action was taken.

No other analytical complications were noted for these analyses. Quality control results are included for your review.

A copy of the reports and all associated raw data will remain on file with ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

Kelly Bottem
Client Services Manager
kellyb@arilabs.com
206-695-6211
Enclosures

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 3C82	Turn-around Requested: Standard TAT
ARI Client Company: Floyd / Snider	Phone: 206·292·2078
Client Contact: NICK GARSON / TOM COLLIGAN	
Client Project Name: Jorgensen Forge	
Client Project #: 7KPL2 JOR	Samplers: Lisa Meoli / Dean Brame

Page: 1 of 3

Date: 1/14/2011 | Ice Present? Y

No. of Coolers: 2 | Cooler Temps: 4.1, 4.3

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	METALS As, Cd, Cu, Pb, Ni, Zn	SVOCs	TPH-D	PCBs					Notes/Comments
JF-T4B3-SO-03	01/14/11	0830	SOIL	2	✓	✓	✓	✓					ARCHIVE
JF-T4B3-SO-08		0835											
JF-T4 B3-SO-13		0840											
JF-T4 B2-SO-03		0910											
JF-T4B2-SO-08		0915											
JF-T4B2-SO-13		0920											
JF-T5B3-SO-03		1045											
JF-T5B3-SO-08		1050											
JF-T5B3-SO-13		1055											
JF-T1B2-SO-03		1310											

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) Lisa Meoli	(Signature)	(Signature)	(Signature)
	Printed Name: Lisa Meoli	Printed Name: DEAN BRAME	Printed Name: DEAN BRAME	Printed Name: A. Volgardsen
	Company: Floyd Snider	Company: F/S	Company: F/S	Company: ARI
	Date & Time: 1/14/2011 1600	Date & Time: 1/14/11 1705	Date & Time: 1/14/11 1710	Date & Time: 1/14/11 1720

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested: STANDARD	Page: 2 of 3	
ARI Client Company: FLOYD / SNIDER	Phone: 206-292-2078	Date: 1/14/2011	Ice Present? Y
Client Contact: NICK GARSON / TOM COLLIGAN		No. of Coolers: 2	Cooler Temps: 4.1, 4.3
Client Project Name: JORGENSEN FORGE			
Client Project #: 7KPL2JOR	Samplers: LISA MEOLI / DEAN BRAME		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Metals As, Cd, Cu, Pb Ni, Zn	SVOCs	TPH-D	PCBs					Notes/Comments
JF-TIB1-SO-03	1/14/11	1600	Soil	2	x	x	x	x					
JF-TIB1-SO-08		1605											
JF-TIB1-SO-13		1610											
JF-TIB4-SO-03		1515											
JF-TIB4-SO-12		1525											
JF-TIB4-SO-18		1530											
JF-TIB2-SO-03		1410											
JF-TIB2-SO-08		1420											
JF-TIB2-SO-18		1430											
JF-TIB2-SO-03-D		1315											

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature)	(Signature)	(Signature)	(Signature)
	Printed Name: DEANBRAME	Printed Name: A. Volgardsen	Printed Name:	Printed Name:
	Company: F/S	Company: ARI	Company:	Company:
	Date & Time: 1/14/11 1705	Date & Time: 1/14/11 1720	Date & Time:	Date & Time:

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:
ARI Client Company: Floyd Snider	Phone: 206 292 2078
Client Contact: NICK GARSON / TOM COLLIGAN	
Client Project Name: JORGENSEN FORGE	
Client Project #: 7K PL2 JOR	Samplers: LISA MEOLI / DEAN BRAME

Page: 3 of 3

Date: 1/14/11 | Ice Present? Y

No. of Coolers: 2 | Cooler Temps: 4.1, 4.3

Analytical Resources, Incorporated
Analytical Chemists and Consultants
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Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Metals As, Cd, Cu, Pb Ni, Zn	SVOC	TPH-D	PCB	Low Level PCB	VOCs			Notes/Comments
JF-T1B2-SO-08	1/14/11	1320	SOIL	2	x	x	x	x					
JF-T1B2-SO-13		1330	SOIL	2	x	x	x	x					
JF-T1B2-GW-15		1310	GW	5					x	x			
JF-T1B3-GW-20		1415	GW	5					x	x			
JF-T1B4-GW-20		1500	GW	5					x	x			
JF-T1B1-SO-13-R		1700	SWATER	10	x	x	x	x	x	x			
JF-T3B2-GW-15		1025	GW	5					x	x			

Comments/Special Instructions				
	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: DEAN BRAME	Printed Name: A. Volgardsen	Printed Name:	Printed Name:
	Company: F/S	Company: ARI	Company:	Company:
	Date & Time: 1/14/11 1705	Date & Time: 1/14/11 1720	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
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Cooler Temperature Compliance Form

Cooler#: 1 (BOX)	Temperature(°C): 19.3	
Sample ID	**Bottle Count**	**Bottle Type**
JF-TIB1-SO-13-R	10	3 1-L Ag, 3 500ml Ag, 1 500 HDPE, 3 vial

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Cooler#:	Temperature(°C):	
Sample ID	**Bottle Count**	**Bottle Type**

Completed by: AV Date: 1/14/11 Time: 1724

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Boeing
COC No(s): _____ (NA)
Assigned ARI Job No: SE82

Project Name: Jorgenson Forge
Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____
Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	(NO)
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc.)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)..... 4.1 4.3 19.3 ___ ___

If cooler temperature is out of compliance fill out form 00070F — Temp Gun ID#: 90941619

Cooler Accepted by: AV Date: 1/14/11 Time: 1720

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? ... (Bubble Wrap) (Wet Ice) Gel Packs Baggies Foam Block Paper Other: _____			
Was sufficient ice used (if appropriate)?	NA	(YES)	(NO)
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		YES	(NO)
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)...	NA	(YES)	NO
Were all VOC vials free of air bubbles?	NA	(YES)	NO
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI	NA	1/5/11	

Was Sample Split by ARI : (NA) YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: AV Date: 1/14/11 Time: 1740

***** Notify Project Manager of discrepancies or concerns *****

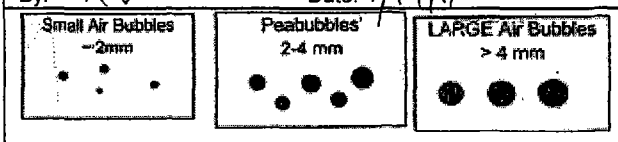
Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
JF-TIB1-13-R	JF-TIB1-SO-13-R		
JF-TIB2-GW	JF-TIB2-GW-15		

Additional Notes, Discrepancies, & Resolutions:

19.3 = box w/ Rinsate Blank

Trip Blank = sm in 1 of 2

By: AV Date: 1/14/11



Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

PRESERVATION VERIFICATION 01/14/11

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: **SE82**

PC: Kelly
VTSR: 01/14/11

Inquiry Number: NONE
Analysis Requested: 01/17/11
Contact: Garson, Nick
Client: The Boeing Company
Logged by: AV
Sample Set Used: Yes-490
Validatable Package: No
Deliverables:

Project #: 7KPL2JDR
Project: Jorgenson Forge
Sample Site:
SDG No:
Analytical Protocol: In-house

LOGNUM ARI ID	CLIENT ID	CN >12	WAD >12	NH3 <2	COD <2	FOG <2	MET <2	PHEN <2	PHOS <2	TKN <2	NO23 <2	TOC <2	S2 >9	AK102 <2	Fe2+ <2	DMET FLT	DOC FLT	PARAMETER	ADJUSTED TO	LOT NUMBER	AMOUNT ADDED	DATE/BY
11-874 **SE82AA**	JF-T1B1-SO-13-R						TOT															

Checked By AV Date 1/14/11

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Client: The Boeing Company	**ARI Job No.:** SE82
Client Project: Jorgenson Forge	**Client Project No.:** 7KPL2JDR

Case Narrative

1. Five samples were submitted for filtering on January 17, 2011.
2. The samples were filtered using all glass filtering equipment.
3. All equipment was decontaminated prior to use.
4. All of the water was filtered through a 1µm borosilicate glass, binder free filter. All of the filters were burned at 440 °C for 15 minutes prior to use.
5. The filtered sample was then placed into appropriate sample bottles for the requested analysis.
6. There were no other noted anomalies in the samples or methods on this project.

Approved by: _____ Date: 1/19/2011
Title: *Geotechnical Laboratory Technician*

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B2-SO-03
SAMPLE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 09:53
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 18.7%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	**Aroclor 1254**	**4.0**	**5.1**
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U
37324-23-5	Aroclor 1262	4.0	< 4.0 U
11100-14-4	Aroclor 1268	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	105%
Tetrachlorometaxylene	78.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B1-SO-03
SAMPLE

Lab Sample ID: SE82K
LIMS ID: 11-858
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 10:11
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 7.25 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Silica Gel: Yes

Percent Moisture: 20.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	55	< 55 U
53469-21-9	Aroclor 1242	55	< 55 U
12672-29-6	Aroclor 1248	55	< 55 U
11097-69-1	Aroclor 1254	550	< 550 Y
11096-82-5	**Aroclor 1260**	**55**	**1,600**
11104-28-2	Aroclor 1221	55	< 55 U
11141-16-5	Aroclor 1232	55	< 55 U
37324-23-5	Aroclor 1262	55	< 55 U
11100-14-4	Aroclor 1268	55	< 55 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	117%
Tetrachlorometaxylene	88.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B1-SO-08
SAMPLE

Lab Sample ID: SE82L
LIMS ID: 11-859
Matrix: Soil
Data Release Authorized: MW
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 10:30
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 25.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	**Aroclor 1254**	**4.0**	**4.2**
11096-82-5	**Aroclor 1260**	**4.0**	**7.8**
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U
37324-23-5	Aroclor 1262	4.0	< 4.0 U
11100-14-4	Aroclor 1268	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	96.6%
Tetrachlorometaxylene	71.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B1-SO-13
SAMPLE

Lab Sample ID: SE82M
LIMS ID: 11-860
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 10:49
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 28.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**5.6**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	5.8	< 5.8 Y
37324-23-5	Aroclor 1262	3.9	< 3.9 U
11100-14-4	Aroclor 1268	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	103%
Tetrachlorometaxylene	88.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B4-SO-03
SAMPLE

Lab Sample ID: SE82N
LIMS ID: 11-861
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 11:08
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 13.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 19.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	7.2	< 7.2 U
53469-21-9	Aroclor 1242	7.2	< 7.2 U
12672-29-6	Aroclor 1248	25	< 25 Y
11097-69-1	Aroclor 1254	36	< 36 Y
11096-82-5	Aroclor 1260	7.2	< 7.2 U
11104-28-2	Aroclor 1221	7.2	< 7.2 U
11141-16-5	Aroclor 1232	7.2	< 7.2 U
37324-23-5	**Aroclor 1262**	**7.2**	**280**
11100-14-4	Aroclor 1268	7.2	< 7.2 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	NR
Tetrachlorometaxylene	117%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B4-SO-12
SAMPLE

Lab Sample ID: SE820
LIMS ID: 11-862
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 11:27
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 19.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 17.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	5.0	< 5.0 U
53469-21-9	Aroclor 1242	5.0	< 5.0 U
12672-29-6	Aroclor 1248	50	< 50 Y
11097-69-1	**Aroclor 1254**	**5.0**	**180**
11096-82-5	**Aroclor 1260**	**5.0**	**28**
11104-28-2	Aroclor 1221	5.0	< 5.0 U
11141-16-5	Aroclor 1232	5.0	< 5.0 U
37324-23-5	Aroclor 1262	5.0	< 5.0 U
11100-14-4	Aroclor 1268	5.0	< 5.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	95.6%
Tetrachlorometaxylene	86.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B4-SO-18
SAMPLE

Lab Sample ID: SE82P
LIMS ID: 11-863
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 11:45
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 19.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 21.5%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	5.1	< 5.1 U
53469-21-9	Aroclor 1242	5.1	< 5.1 U
12672-29-6	Aroclor 1248	38	< 38 Y
11097-69-1	**Aroclor 1254**	**5.1**	**110**
11096-82-5	**Aroclor 1260**	**5.1**	**35**
11104-28-2	Aroclor 1221	5.1	< 5.1 U
11141-16-5	Aroclor 1232	5.1	< 5.1 U
37324-23-5	Aroclor 1262	5.1	< 5.1 U
11100-14-4	Aroclor 1268	5.1	< 5.1 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	99.9%
Tetrachlorometaxylene	93.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B3-SO-03
SAMPLE

Lab Sample ID: SE82Q
LIMS ID: 11-864
Matrix: Soil
Data Release Authorized: MW
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 12:04
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 6.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	30	< 30 Y
11096-82-5	**Aroclor 1260**	**3.9**	**70**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U
37324-23-5	Aroclor 1262	3.9	< 3.9 U
11100-14-4	Aroclor 1268	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	101%
Tetrachlorometaxylene	84.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B3-SO-08
SAMPLE

Lab Sample ID: SE82R
LIMS ID: 11-865
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 12:23
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 9.86 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Silica Gel: Yes

Percent Moisture: 11.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	41	< 41 U
53469-21-9	Aroclor 1242	41	< 41 U
12672-29-6	Aroclor 1248	100	< 100 Y
11097-69-1	Aroclor 1254	810	< 810 Y
11096-82-5	**Aroclor 1260**	**41**	**1,800**
11104-28-2	Aroclor 1221	41	< 41 U
11141-16-5	Aroclor 1232	41	< 41 U
37324-23-5	Aroclor 1262	41	< 41 U
11100-14-4	Aroclor 1268	41	< 41 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	100%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B3-SO-18
SAMPLE

Lab Sample ID: SE82S
LIMS ID: 11-866
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 12:42
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 1.30 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Silica Gel: Yes

Percent Moisture: 38.9%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	310	< 310 U
53469-21-9	Aroclor 1242	310	< 310 U
12672-29-6	Aroclor 1248	1,200	< 1,200 Y
11097-69-1	**Aroclor 1254**	**310**	**3,900**
11096-82-5	**Aroclor 1260**	**310**	**4,200**
11104-28-2	Aroclor 1221	310	< 310 U
11141-16-5	Aroclor 1232	310	< 310 U
37324-23-5	Aroclor 1262	310	< 310 U
11100-14-4	Aroclor 1268	310	< 310 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	111%
Tetrachlorometaxylene	86.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B2-SO-03-D
SAMPLE

Lab Sample ID: SE82T
LIMS ID: 11-867
Matrix: Soil
Data Release Authorized: MW
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 13:01
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 17.3%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**4.9**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U
37324-23-5	Aroclor 1262	3.9	< 3.9 U
11100-14-4	Aroclor 1268	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	103%
Tetrachlorometaxylene	81.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B2-SO-08
SAMPLE

Lab Sample ID: SE82U
LIMS ID: 11-868
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 13:19
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 23.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**7.0**
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U
37324-23-5	Aroclor 1262	3.9	< 3.9 U
11100-14-4	Aroclor 1268	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	103%
Tetrachlorometaxylene	79.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: JF-T1B2-SO-13
SAMPLE

Lab Sample ID: SE82V
LIMS ID: 11-869
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 13:38
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: 27.0%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	3.9	< 3.9 U
11096-82-5	Aroclor 1260	3.9	< 3.9 U
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U
37324-23-5	Aroclor 1262	3.9	< 3.9 U
11100-14-4	Aroclor 1268	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	97.9%
Tetrachlorometaxylene	79.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: MB-011911
METHOD BLANK

Lab Sample ID: MB-011911
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted: 01/19/11
Date Analyzed: 01/26/11 08:56
Instrument/Analyst: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 5.00
Silica Gel: Yes

Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	Aroclor 1254	4.0	< 4.0 U
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U
37324-23-5	Aroclor 1262	4.0	< 4.0 U
11100-14-4	Aroclor 1268	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	105%
Tetrachlorometaxylene	73.8%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
MB-011911	105%	40-109	73.8%	35-100	0
LCS-011911	107%	40-109	77.9%	35-100	0
LCSD-011911	110%*	40-109	80.6%	35-100	1
JF-T1B2-SO-03	105%	34-141	78.1%	38-102	0
JF-T1B1-SO-03	117%	34-141	88.0%	38-102	0
JF-T1B1-SO-08	96.6%	34-141	71.9%	38-102	0
JF-T1B1-SO-13	103%	34-141	88.0%	38-102	0
JF-T1B4-SO-03	NR	34-141	117%*	38-102	1
JF-T1B4-SO-12	95.6%	34-141	86.8%	38-102	0
JF-T1B4-SO-18	99.9%	34-141	93.6%	38-102	0
JF-T1B3-SO-03	101%	34-141	84.0%	38-102	0
JF-T1B3-SO-08	125%	34-141	100%	38-102	0
JF-T1B3-SO-18	111%	34-141	86.0%	38-102	0
JF-T1B2-SO-03-D	103%	34-141	81.4%	38-102	0
JF-T1B2-SO-08	103%	34-141	79.1%	38-102	0
JF-T1B2-SO-13	97.9%	34-141	79.5%	38-102	0

Low Level PSDDA Control Limits
Prep Method: SW3550C
Log Number Range: 11-857 to 11-869

FORM-II SW8082

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: LCS-011911
LCS/LCSD

Lab Sample ID: LCS-011911
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 01/19/11

Date Analyzed LCS: 01/26/11 09:15
LCSD: 01/26/11 09:34
Instrument/Analyst LCS: ECD5/JGR
LCSD: ECD5/JGR
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount LCS: 25.0 g-dry-wt
LCSD: 25.0 g-dry-wt
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 5.00
LCSD: 5.00
Silica Gel: Yes

Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Aroclor 1016	17.4	20.0	87.0%	18.1	20.0	90.5%	3.9%
Aroclor 1260	18.8	20.0	94.0%	19.7	20.0	98.5%	4.7%

PCB Surrogate Recovery

	LCS	LCSD
Decachlorobiphenyl	107%	110%
Tetrachlorometaxylene	77.9%	80.6%

Results reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: JF-T1B2-GW-15
SAMPLE

Lab Sample ID: SE82W
LIMS ID: 11-870
Matrix: Water
Data Release Authorized: MW
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 21:50
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	73.0%
Tetrachlorometaxylene	55.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: JF-T1B3-GW-20
SAMPLE

Lab Sample ID: SE82X
LIMS ID: 11-871
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 22:13
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.014	< 0.014 Y
11097-69-1	**Aroclor 1254**	**0.010**	**0.022**
11096-82-5	**Aroclor 1260**	**0.010**	**0.011**
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	69.5%
Tetrachlorometaxylene	56.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: JF-T1B4-GW-20
SAMPLE

Lab Sample ID: SE82Y
LIMS ID: 11-872
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 22:37
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.031	< 0.031 Y
11097-69-1	**Aroclor 1254**	**0.010**	**0.054**
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	65.8%
Tetrachlorometaxylene	52.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: JF-T3B2-GW-15
SAMPLE

Lab Sample ID: SE82Z
LIMS ID: 11-873
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 23:01
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	64.0%
Tetrachlorometaxylene	55.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: JF-T1B1-SO-13-R
SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 23:25
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	62.5%
Tetrachlorometaxylene	59.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: MB-011811
METHOD BLANK

Lab Sample ID: MB-011811
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted: 01/18/11
Date Analyzed: 01/22/11 17:05
Instrument/Analyst: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount: 1000 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	0.010	< 0.010 U
53469-21-9	Aroclor 1242	0.010	< 0.010 U
12672-29-6	Aroclor 1248	0.010	< 0.010 U
11097-69-1	Aroclor 1254	0.010	< 0.010 U
11096-82-5	Aroclor 1260	0.010	< 0.010 U
11104-28-2	Aroclor 1221	0.010	< 0.010 U
11141-16-5	Aroclor 1232	0.010	< 0.010 U
37324-23-5	Aroclor 1262	0.010	< 0.010 U
11100-14-4	Aroclor 1268	0.010	< 0.010 U

Reported in µg/L (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	72.2%
Tetrachlorometaxylene	59.0%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
MB-011811	72.2%	32-108	59.0%	31-100	0
LCS-011811	77.8%	32-108	62.8%	31-100	0
LCSD-011811	70.5%	32-108	58.0%	31-100	0
JF-T1B2-GW-15	73.0%	19-111	55.8%	21-100	0
JF-T1B3-GW-20	69.5%	19-111	56.2%	21-100	0
JF-T1B4-GW-20	65.8%	19-111	52.2%	21-100	0
JF-T3B2-GW-15	64.0%	19-111	55.5%	21-100	0
JF-T1B1-SO-13-R	62.5%	19-111	59.8%	21-100	0

Prep Method: SW3510C
Log Number Range: 11-870 to 11-874

FORM-II SW8082

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PCB by GC/ECD Method SW8082

Sample ID: LCS-011811
LCS/LCSD

Lab Sample ID: LCS-011811
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/26/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted LCS/LCSD: 01/18/11

Date Analyzed LCS: 01/22/11 17:29
LCSD: 01/22/11 17:52
Instrument/Analyst LCS: ECD7/AAR
LCSD: ECD7/AAR
GPC Cleanup: No
Sulfur Cleanup: Yes

Sample Amount LCS: 1000 mL
LCSD: 1000 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Silica Gel: Yes
Acid Cleanup: Yes

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Aroclor 1016	0.041	0.050	82.0%	0.039	0.050	78.0%	5.0%
Aroclor 1260	0.042	0.050	84.0%	0.040	0.050	80.0%	4.9%

PCB Surrogate Recovery

	LCS	LCSD
Decachlorobiphenyl	77.8%	70.5%
Tetrachlorometaxylene	62.8%	58.0%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B2-GW-15**
 SAMPLE

Lab Sample ID: SE82W
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 14:36

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.5**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**14**	
67-66-3	**Chloroform**	**0.2**	**0.5**	
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	**1,1,1-Trichloroethane**	**0.2**	**0.3**	
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**100**	**E**
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	**Tetrachloroethene**	**0.2**	**1.2**	
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B2-GW-15**
 SAMPLE

Lab Sample ID: SE82W
LIMS ID: 11-870
Matrix: Water
Date Analyzed: 01/17/11 14:36

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	95.5%
d8-Toluene	91.1%
Bromofluorobenzene	88.7%
d4-1,2-Dichlorobenzene	97.5%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B2-GW-15**
 DILUTION

Lab Sample ID: SE82W
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/18/11 12:03

Sample Amount: 2.00 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	2.5	< 2.5	U
74-83-9	Bromomethane	5.0	< 5.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.5	< 2.5	U
67-64-1	Acetone	25	< 25	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	**cis-1,2-Dichloroethene**	**1.0**	**14**	
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	25	< 25	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	**Trichloroethene**	**1.0**	**130**	
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	25	< 25	U
591-78-6	2-Hexanone	25	< 25	U
127-18-4	**Tetrachloroethene**	**1.0**	**1.2**	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.0	< 1.0	U
179601-23-1	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	25	< 25	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B2-GW-15**
 DILUTION

Lab Sample ID: SE82W
LIMS ID: 11-870
Matrix: Water
Date Analyzed: 01/18/11 12:03

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	5.0	< 5.0	U
74-96-4	Bromoethane	1.0	< 1.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.5	< 2.5	U
96-18-4	1,2,3-Trichloropropane	2.5	< 2.5	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	2.5	< 2.5	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	2.5	< 2.5	U
91-20-3	Naphthalene	2.5	< 2.5	U
87-61-6	1,2,3-Trichlorobenzene	2.5	< 2.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	94.8%
d8-Toluene	91.1%
Bromofluorobenzene	89.9%
d4-1,2-Dichlorobenzene	98.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B3-GW-20**
 SAMPLE

Lab Sample ID: SE82X
LIMS ID: 11-871
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/18/11 12:30

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**1.5**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**3.1**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B3-GW-20**
 SAMPLE

Lab Sample ID: SE82X
LIMS ID: 11-871
Matrix: Water
Date Analyzed: 01/18/11 12:30

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	97.8%
d8-Toluene	93.9%
Bromofluorobenzene	89.2%
d4-1,2-Dichlorobenzene	98.8%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B4-GW-20**
 SAMPLE

Lab Sample ID: SE82Y
LIMS ID: 11-872
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 15:31

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	**trans-1,2-Dichloroethene**	**0.2**	**0.2**	
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**3.0**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**5.2**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B4-GW-20**
 SAMPLE

Lab Sample ID: SE82Y
LIMS ID: 11-872
Matrix: Water
Date Analyzed: 01/17/11 15:31

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	100%
d8-Toluene	93.4%
Bromofluorobenzene	87.4%
d4-1,2-Dichlorobenzene	99.7%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T3B2-GW-15**
 SAMPLE

Lab Sample ID: SE82Z
LIMS ID: 11-873
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 15:58

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	**Vinyl Chloride**	**0.2**	**0.6**	
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	**cis-1,2-Dichloroethene**	**0.2**	**2.9**	
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	**Trichloroethene**	**0.2**	**6.4**	
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T3B2-GW-15**
 SAMPLE

Lab Sample ID: SE82Z
LIMS ID: 11-873
Matrix: Water
Date Analyzed: 01/17/11 15:58

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.7%
d8-Toluene	90.4%
Bromofluorobenzene	87.0%
d4-1,2-Dichlorobenzene	103%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B1-SO-13-R**
 SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 16:25

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	**Methylene Chloride**	**0.5**	**0.8**	
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	**Chloroform**	**0.2**	**0.2**	
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: JF-T1B1-SO-13-R**
 SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Date Analyzed: 01/17/11 16:25

QC Report No: SE82-The Boeing Company
Project: *Jorgenson Forge*
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	98.9%
d8-Toluene	95.3%
Bromofluorobenzene	88.4%
d4-1,2-Dichlorobenzene	98.1%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
 SAMPLE

Lab Sample ID: SE82AB
LIMS ID: 11-875
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 16:52

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
 SAMPLE

Lab Sample ID: SE82AB
LIMS ID: 11-875
Matrix: Water
Date Analyzed: 01/17/11 16:52

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	99.5%
d8-Toluene	96.1%
Bromofluorobenzene	87.7%
d4-1,2-Dichlorobenzene	98.8%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-011711**
 METHOD BLANK

Lab Sample ID: MB-011711
LIMS ID: 11-873
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/17/11 09:05

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-011711**
 METHOD BLANK

Lab Sample ID: MB-011711
LIMS ID: 11-873
Matrix: Water
Date Analyzed: 01/17/11 09:05

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.0%
d8-Toluene	95.3%
Bromofluorobenzene	90.2%
d4-1,2-Dichlorobenzene	98.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-011811**
 METHOD BLANK

Lab Sample ID: MB-011811
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT5/PAB
Date Analyzed: 01/18/11 10:53

Sample Amount: 10.0 mL
Purge Volume: 10.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.5	< 0.5	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	0.2	< 0.2	U
75-00-3	Chloroethane	0.2	< 0.2	U
75-09-2	Methylene Chloride	0.5	< 0.5	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	0.2	< 0.2	U
75-35-4	1,1-Dichloroethene	0.2	< 0.2	U
75-34-3	1,1-Dichloroethane	0.2	< 0.2	U
156-60-5	trans-1,2-Dichloroethene	0.2	< 0.2	U
156-59-2	cis-1,2-Dichloroethene	0.2	< 0.2	U
67-66-3	Chloroform	0.2	< 0.2	U
107-06-2	1,2-Dichloroethane	0.2	< 0.2	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	0.2	< 0.2	U
56-23-5	Carbon Tetrachloride	0.2	< 0.2	U
108-05-4	Vinyl Acetate	1.0	< 1.0	U
75-27-4	Bromodichloromethane	0.2	< 0.2	U
78-87-5	1,2-Dichloropropane	0.2	< 0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	< 0.2	U
79-01-6	Trichloroethene	0.2	< 0.2	U
124-48-1	Dibromochloromethane	0.2	< 0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	< 0.2	U
71-43-2	Benzene	0.2	< 0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	< 0.2	U
110-75-8	2-Chloroethylvinylether	1.0	< 1.0	U
75-25-2	Bromoform	0.2	< 0.2	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	0.2	< 0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	< 0.2	U
108-88-3	Toluene	0.2	< 0.2	U
108-90-7	Chlorobenzene	0.2	< 0.2	U
100-41-4	Ethylbenzene	0.2	< 0.2	U
100-42-5	Styrene	0.2	< 0.2	U
75-69-4	Trichlorofluoromethane	0.2	< 0.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	0.2	< 0.2	U
179601-23-1	m,p-Xylene	0.4	< 0.4	U
95-47-6	o-Xylene	0.2	< 0.2	U
95-50-1	1,2-Dichlorobenzene	0.2	< 0.2	U
541-73-1	1,3-Dichlorobenzene	0.2	< 0.2	U
106-46-7	1,4-Dichlorobenzene	0.2	< 0.2	U
107-02-8	Acrolein	5.0	< 5.0	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-011811**
 METHOD BLANK

Lab Sample ID: MB-011811
LIMS ID: 11-870
Matrix: Water
Date Analyzed: 01/18/11 10:53

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	0.2	< 0.2	U
107-13-1	Acrylonitrile	1.0	< 1.0	U
563-58-6	1,1-Dichloropropene	0.2	< 0.2	U
74-95-3	Dibromomethane	0.2	< 0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	< 0.2	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	< 0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	< 0.5	U
110-57-6	trans-1,4-Dichloro-2-butene	1.0	< 1.0	U
108-67-8	1,3,5-Trimethylbenzene	0.2	< 0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.2	< 0.2	U
87-68-3	Hexachlorobutadiene	0.5	< 0.5	U
106-93-4	Ethylene Dibromide	0.2	< 0.2	U
74-97-5	Bromochloromethane	0.2	< 0.2	U
594-20-7	2,2-Dichloropropane	0.2	< 0.2	U
142-28-9	1,3-Dichloropropane	0.2	< 0.2	U
98-82-8	Isopropylbenzene	0.2	< 0.2	U
103-65-1	n-Propylbenzene	0.2	< 0.2	U
108-86-1	Bromobenzene	0.2	< 0.2	U
95-49-8	2-Chlorotoluene	0.2	< 0.2	U
106-43-4	4-Chlorotoluene	0.2	< 0.2	U
98-06-6	tert-Butylbenzene	0.2	< 0.2	U
135-98-8	sec-Butylbenzene	0.2	< 0.2	U
99-87-6	4-Isopropyltoluene	0.2	< 0.2	U
104-51-8	n-Butylbenzene	0.2	< 0.2	U
120-82-1	1,2,4-Trichlorobenzene	0.5	< 0.5	U
91-20-3	Naphthalene	0.5	< 0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	< 0.5	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	96.7%
d8-Toluene	94.3%
Bromofluorobenzene	90.0%
d4-1,2-Dichlorobenzene	99.3%

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
MB-011811	Method Blank	10	96.7%	94.3%	90.0%	99.3%	0
LCS-011811	Lab Control	10	93.6%	94.9%	94.0%	96.6%	0
LCSD-011811	Lab Control Dup	10	93.8%	93.1%	94.7%	96.8%	0
SE82W	JF-T1B2-GW-15	10	95.5%	91.1%	88.7%	97.5%	0
SE82WDL	JF-T1B2-GW-15	10	94.8%	91.1%	89.9%	98.2%	0
SE82X	JF-T1B3-GW-20	10	97.8%	93.9%	89.2%	98.8%	0
SE82Y	JF-T1B4-GW-20	10	100%	93.4%	87.4%	99.7%	0
MB-011711	Method Blank	10	96.0%	95.3%	90.2%	98.9%	0
LCS-011711	Lab Control	10	94.9%	94.8%	94.8%	96.6%	0
LCSD-011711	Lab Control Dup	10	93.4%	94.5%	94.8%	96.1%	0
SE82Z	JF-T3B2-GW-15	10	98.7%	90.4%	87.0%	103%	0
SE82AA	JF-T1B1-SO-13-R	10	98.9%	95.3%	88.4%	98.1%	0
SE82AB	Trip Blanks	10	99.5%	96.1%	87.7%	98.8%	0

	LCS/MB LIMITS	QC LIMITS
SW8260C		
(DCE) = d4-1,2-Dichloroethane	80-120	80-120
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 11-870 to 11-875

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-011711**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-011711
LIMS ID: 11-873
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT5/PAB
LCSD: NT5/PAB
Date Analyzed LCS: 01/17/11 08:10
LCSD: 01/17/11 08:38

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	9.9	10.0	99.0%	9.9	10.0	99.0%	0.0%
Bromomethane	10.9	10.0	109%	11.5	10.0	115%	5.4%
Vinyl Chloride	10.3	10.0	103%	10.6	10.0	106%	2.9%
Chloroethane	9.9	10.0	99.0%	10.1	10.0	101%	2.0%
Methylene Chloride	10.0	10.0	100%	10.1	10.0	101%	1.0%
Acetone	50.2	50.0	100%	48.0	50.0	96.0%	4.5%
Carbon Disulfide	10.8	10.0	108%	10.8	10.0	108%	0.0%
1,1-Dichloroethene	10.2	10.0	102%	10.4	10.0	104%	1.9%
1,1-Dichloroethane	9.6	10.0	96.0%	9.8	10.0	98.0%	2.1%
trans-1,2-Dichloroethene	9.7	10.0	97.0%	9.9	10.0	99.0%	2.0%
cis-1,2-Dichloroethene	9.7	10.0	97.0%	9.8	10.0	98.0%	1.0%
Chloroform	9.7	10.0	97.0%	9.8	10.0	98.0%	1.0%
1,2-Dichloroethane	10.1	10.0	101%	9.7	10.0	97.0%	4.0%
2-Butanone	47.8	50.0	95.6%	48.7	50.0	97.4%	1.9%
1,1,1-Trichloroethane	9.6	10.0	96.0%	9.9	10.0	99.0%	3.1%
Carbon Tetrachloride	10.1	10.0	101%	10.2	10.0	102%	1.0%
Vinyl Acetate	9.3	10.0	93.0%	9.6	10.0	96.0%	3.2%
Bromodichloromethane	10.1	10.0	101%	10.2	10.0	102%	1.0%
1,2-Dichloropropane	9.6	10.0	96.0%	9.8	10.0	98.0%	2.1%
cis-1,3-Dichloropropene	10.1	10.0	101%	10.2	10.0	102%	1.0%
Trichloroethene	9.8	10.0	98.0%	9.8	10.0	98.0%	0.0%
Dibromochloromethane	10.1	10.0	101%	10.2	10.0	102%	1.0%
1,1,2-Trichloroethane	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
Benzene	10.2	10.0	102%	10.3	10.0	103%	1.0%
trans-1,3-Dichloropropene	10.0	10.0	100%	9.8	10.0	98.0%	2.0%
2-Chloroethylvinylether	7.6 Q	10.0	76.0%	7.2 Q	10.0	72.0%	5.4%
Bromoform	10.2	10.0	102%	10.0	10.0	100%	2.0%
4-Methyl-2-Pentanone (MIBK)	50.4	50.0	101%	50.9	50.0	102%	1.0%
2-Hexanone	53.3	50.0	107%	53.5	50.0	107%	0.4%
Tetrachloroethene	10.0	10.0	100%	10.1	10.0	101%	1.0%
1,1,2,2-Tetrachloroethane	9.4	10.0	94.0%	9.4	10.0	94.0%	0.0%
Toluene	10.0	10.0	100%	10.1	10.0	101%	1.0%
Chlorobenzene	10.1	10.0	101%	10.3	10.0	103%	2.0%
Ethylbenzene	10.2	10.0	102%	10.2	10.0	102%	0.0%
Styrene	11.0	10.0	110%	11.1	10.0	111%	0.9%
Trichlorofluoromethane	9.3	10.0	93.0%	9.4	10.0	94.0%	1.1%
1,1,2-Trichloro-1,2,2-trifluoroetha	9.8	10.0	98.0%	10.0	10.0	100%	2.0%
m,p-Xylene	21.7	20.0	108%	21.9	20.0	110%	0.9%
o-Xylene	10.6	10.0	106%	10.6	10.0	106%	0.0%
1,2-Dichlorobenzene	9.8	10.0	98.0%	9.8	10.0	98.0%	0.0%
1,3-Dichlorobenzene	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
1,4-Dichlorobenzene	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
Acrolein	60.0	50.0	120%	58.3	50.0	117%	2.9%
Methyl Iodide	12.3	10.0	123%	12.1	10.0	121%	1.6%
Bromoethane	10.8	10.0	108%	10.5	10.0	105%	2.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-011711**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-011711
LIMS ID: 11-873
Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrylonitrile	9.0	10.0	90.0%	9.3	10.0	93.0%	3.3%
1,1-Dichloropropene	9.8	10.0	98.0%	9.9	10.0	99.0%	1.0%
Dibromomethane	9.7	10.0	97.0%	9.5	10.0	95.0%	2.1%
1,1,1,2-Tetrachloroethane	10.0	10.0	100%	10.2	10.0	102%	2.0%
1,2-Dibromo-3-chloropropane	9.0	10.0	90.0%	8.7	10.0	87.0%	3.4%
1,2,3-Trichloropropane	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
trans-1,4-Dichloro-2-butene	8.7	10.0	87.0%	8.5	10.0	85.0%	2.3%
1,3,5-Trimethylbenzene	10.3	10.0	103%	10.5	10.0	105%	1.9%
1,2,4-Trimethylbenzene	10.4	10.0	104%	10.6	10.0	106%	1.9%
Hexachlorobutadiene	9.9	10.0	99.0%	10.2	10.0	102%	3.0%
Ethylene Dibromide	10.0	10.0	100%	9.9	10.0	99.0%	1.0%
Bromochloromethane	9.3	10.0	93.0%	9.6	10.0	96.0%	3.2%
2,2-Dichloropropane	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
1,3-Dichloropropane	9.6	10.0	96.0%	9.7	10.0	97.0%	1.0%
Isopropylbenzene	10.5	10.0	105%	10.7	10.0	107%	1.9%
n-Propylbenzene	10.2	10.0	102%	10.4	10.0	104%	1.9%
Bromobenzene	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
2-Chlorotoluene	10.1	10.0	101%	10.1	10.0	101%	0.0%
4-Chlorotoluene	10.2	10.0	102%	10.4	10.0	104%	1.9%
tert-Butylbenzene	10.4	10.0	104%	10.5	10.0	105%	1.0%
sec-Butylbenzene	8.9	10.0	89.0%	9.0	10.0	90.0%	1.1%
4-Isopropyltoluene	10.6	10.0	106%	10.8	10.0	108%	1.9%
n-Butylbenzene	10.2	10.0	102%	10.4	10.0	104%	1.9%
1,2,4-Trichlorobenzene	10.0	10.0	100%	10.1	10.0	101%	1.0%
Naphthalene	10.3	10.0	103%	10.4	10.0	104%	1.0%
1,2,3-Trichlorobenzene	10.4	10.0	104%	10.6	10.0	106%	1.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	94.9%	93.4%
d8-Toluene	94.8%	94.5%
Bromofluorobenzene	94.8%	94.8%
d4-1,2-Dichlorobenzene	96.6%	96.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-011811**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-011811
LIMS ID: 11-870
Matrix: Water
Data Release Authorized:
Reported: 01/19/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT5/PAB
LCSD: NT5/PAB
Date Analyzed LCS: 01/18/11 10:26
LCSD: 01/18/11 11:23

Sample Amount LCS: 10.0 mL
LCSD: 10.0 mL
Purge Volume LCS: 10.0 mL
LCSD: 10.0 mL

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	9.4	10.0	94.0%	8.9	10.0	89.0%	5.5%
Bromomethane	11.4	10.0	114%	11.0	10.0	110%	3.6%
Vinyl Chloride	10.1	10.0	101%	9.6	10.0	96.0%	5.1%
Chloroethane	9.8	10.0	98.0%	9.1	10.0	91.0%	7.4%
Methylene Chloride	9.8	10.0	98.0%	9.7	10.0	97.0%	1.0%
Acetone	47.1	50.0	94.2%	47.3	50.0	94.6%	0.4%
Carbon Disulfide	10.7	10.0	107%	10.3	10.0	103%	3.8%
1,1-Dichloroethene	9.9	10.0	99.0%	10.1	10.0	101%	2.0%
1,1-Dichloroethane	9.6	10.0	96.0%	9.5	10.0	95.0%	1.0%
trans-1,2-Dichloroethene	9.6	10.0	96.0%	9.5	10.0	95.0%	1.0%
cis-1,2-Dichloroethene	9.7	10.0	97.0%	9.7	10.0	97.0%	0.0%
Chloroform	9.5	10.0	95.0%	9.5	10.0	95.0%	0.0%
1,2-Dichloroethane	9.7	10.0	97.0%	9.6	10.0	96.0%	1.0%
2-Butanone	46.7	50.0	93.4%	47.4	50.0	94.8%	1.5%
1,1,1-Trichloroethane	9.7	10.0	97.0%	9.6	10.0	96.0%	1.0%
Carbon Tetrachloride	9.9	10.0	99.0%	9.8	10.0	98.0%	1.0%
Vinyl Acetate	9.1	10.0	91.0%	9.0	10.0	90.0%	1.1%
Bromodichloromethane	10.0	10.0	100%	9.8	10.0	98.0%	2.0%
1,2-Dichloropropane	9.5	10.0	95.0%	9.2	10.0	92.0%	3.2%
cis-1,3-Dichloropropene	10.1	10.0	101%	9.9	10.0	99.0%	2.0%
Trichloroethene	9.8	10.0	98.0%	9.7	10.0	97.0%	1.0%
Dibromochloromethane	10.1	10.0	101%	10.1	10.0	101%	0.0%
1,1,2-Trichloroethane	9.8	10.0	98.0%	9.7	10.0	97.0%	1.0%
Benzene	10.1	10.0	101%	9.9	10.0	99.0%	2.0%
trans-1,3-Dichloropropene	9.7	10.0	97.0%	9.7	10.0	97.0%	0.0%
2-Chloroethylvinylether	8.1 Q	10.0	81.0%	8.0 Q	10.0	80.0%	1.2%
Bromoform	10.2	10.0	102%	9.8	10.0	98.0%	4.0%
4-Methyl-2-Pentanone (MIBK)	49.4	50.0	98.8%	49.3	50.0	98.6%	0.2%
2-Hexanone	52.6	50.0	105%	52.4	50.0	105%	0.4%
Tetrachloroethene	9.9	10.0	99.0%	10.0	10.0	100%	1.0%
1,1,2,2-Tetrachloroethane	9.6	10.0	96.0%	9.1	10.0	91.0%	5.3%
Toluene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Chlorobenzene	10.2	10.0	102%	10.0	10.0	100%	2.0%
Ethylbenzene	10.1	10.0	101%	10.2	10.0	102%	1.0%
Styrene	11.0	10.0	110%	10.6	10.0	106%	3.7%
Trichlorofluoromethane	9.2	10.0	92.0%	10.3	10.0	103%	11.3%
1,1,2-Trichloro-1,2,2-trifluoroetha	9.6	10.0	96.0%	9.8	10.0	98.0%	2.1%
m,p-Xylene	21.8	20.0	109%	21.6	20.0	108%	0.9%
o-Xylene	10.5	10.0	105%	10.4	10.0	104%	1.0%
1,2-Dichlorobenzene	10.0	10.0	100%	9.5	10.0	95.0%	5.1%
1,3-Dichlorobenzene	10.1	10.0	101%	9.7	10.0	97.0%	4.0%
1,4-Dichlorobenzene	10.0	10.0	100%	9.7	10.0	97.0%	3.0%
Acrolein	60.8 Q	50.0	122%	58.5 Q	50.0	117%	3.9%
Methyl Iodide	12.4 Q	10.0	124%	11.7 Q	10.0	117%	5.8%
Bromoethane	10.9	10.0	109%	10.4	10.0	104%	4.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-011811**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-011811
LIMS ID: 11-870
Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Acrylonitrile	8.2	10.0	82.0%	8.7	10.0	87.0%	5.9%
1,1-Dichloropropene	9.8	10.0	98.0%	9.6	10.0	96.0%	2.1%
Dibromomethane	9.7	10.0	97.0%	9.4	10.0	94.0%	3.1%
1,1,1,2-Tetrachloroethane	10.0	10.0	100%	10.0	10.0	100%	0.0%
1,2-Dibromo-3-chloropropane	9.1	10.0	91.0%	8.4	10.0	84.0%	8.0%
1,2,3-Trichloropropane	9.9	10.0	99.0%	9.3	10.0	93.0%	6.2%
trans-1,4-Dichloro-2-butene	8.6	10.0	86.0%	8.6	10.0	86.0%	0.0%
1,3,5-Trimethylbenzene	10.6	10.0	106%	10.1	10.0	101%	4.8%
1,2,4-Trimethylbenzene	10.6	10.0	106%	10.2	10.0	102%	3.8%
Hexachlorobutadiene	9.7	10.0	97.0%	9.4	10.0	94.0%	3.1%
Ethylene Dibromide	9.9	10.0	99.0%	9.8	10.0	98.0%	1.0%
Bromochloromethane	9.6	10.0	96.0%	9.3	10.0	93.0%	3.2%
2,2-Dichloropropane	9.5	10.0	95.0%	9.6	10.0	96.0%	1.0%
1,3-Dichloropropane	9.7	10.0	97.0%	9.7	10.0	97.0%	0.0%
Isopropylbenzene	10.7	10.0	107%	10.3	10.0	103%	3.8%
n-Propylbenzene	10.4	10.0	104%	10.1	10.0	101%	2.9%
Bromobenzene	10.0	10.0	100%	9.5	10.0	95.0%	5.1%
2-Chlorotoluene	10.3	10.0	103%	9.8	10.0	98.0%	5.0%
4-Chlorotoluene	10.3	10.0	103%	10.0	10.0	100%	3.0%
tert-Butylbenzene	10.5	10.0	105%	10.2	10.0	102%	2.9%
sec-Butylbenzene	9.0	10.0	90.0%	8.6	10.0	86.0%	4.5%
4-Isopropyltoluene	10.7	10.0	107%	10.4	10.0	104%	2.8%
n-Butylbenzene	10.1	10.0	101%	10.1	10.0	101%	0.0%
1,2,4-Trichlorobenzene	10.0	10.0	100%	9.9	10.0	99.0%	1.0%
Naphthalene	10.4	10.0	104%	10.0	10.0	100%	3.9%
1,2,3-Trichlorobenzene	10.4	10.0	104%	10.2	10.0	102%	1.9%

Reported in µg/L (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	93.6%	93.8%
d8-Toluene	94.9%	93.1%
Bromofluorobenzene	94.0%	94.7%
d4-1,2-Dichlorobenzene	96.6%	96.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-13-R
SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/25/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/17/11
Date Analyzed: 01/20/11 20:02
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-13-R
SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Date Analyzed: 01/20/11 20:02

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U
TOTBFA	Total Benzofluoranthenes	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	80.0%	2-Fluorobiphenyl	86.0%
d14-p-Terphenyl	86.0%	d4-1,2-Dichlorobenzene	75.2%
d5-Phenol	76.5%	2-Fluorophenol	81.6%
2,4,6-Tribromophenol	80.8%	d4-2-Chlorophenol	82.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-011711
METHOD BLANK

Lab Sample ID: MB-011711
LIMS ID: 11-874
Matrix: Water
Data Release Authorized: MW
Reported: 01/25/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted: 01/17/11
Date Analyzed: 01/20/11 16:46
Instrument/Analyst: NT6/JZ

Sample Amount: 500 mL
Final Extract Volume: 0.50 mL
Dilution Factor: 1.00

CAS Number	Analyte	RL	Result
108-95-2	Phenol	1.0	< 1.0 U
111-44-4	Bis-(2-Chloroethyl) Ether	1.0	< 1.0 U
95-57-8	2-Chlorophenol	1.0	< 1.0 U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0 U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0 U
100-51-6	Benzyl Alcohol	5.0	< 5.0 U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0 U
95-48-7	2-Methylphenol	1.0	< 1.0 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	1.0	< 1.0 U
106-44-5	4-Methylphenol	1.0	< 1.0 U
621-64-7	N-Nitroso-Di-N-Propylamine	1.0	< 1.0 U
67-72-1	Hexachloroethane	1.0	< 1.0 U
98-95-3	Nitrobenzene	1.0	< 1.0 U
78-59-1	Isophorone	1.0	< 1.0 U
88-75-5	2-Nitrophenol	5.0	< 5.0 U
105-67-9	2,4-Dimethylphenol	1.0	< 1.0 U
65-85-0	Benzoic Acid	10	< 10 U
111-91-1	bis(2-Chloroethoxy) Methane	1.0	< 1.0 U
120-83-2	2,4-Dichlorophenol	5.0	< 5.0 U
120-82-1	1,2,4-Trichlorobenzene	1.0	< 1.0 U
91-20-3	Naphthalene	1.0	< 1.0 U
106-47-8	4-Chloroaniline	5.0	< 5.0 U
87-68-3	Hexachlorobutadiene	1.0	< 1.0 U
59-50-7	4-Chloro-3-methylphenol	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	1.0	< 1.0 U
77-47-4	Hexachlorocyclopentadiene	5.0	< 5.0 U
88-06-2	2,4,6-Trichlorophenol	5.0	< 5.0 U
95-95-4	2,4,5-Trichlorophenol	5.0	< 5.0 U
91-58-7	2-Chloronaphthalene	1.0	< 1.0 U
88-74-4	2-Nitroaniline	5.0	< 5.0 U
131-11-3	Dimethylphthalate	1.0	< 1.0 U
208-96-8	Acenaphthylene	1.0	< 1.0 U
99-09-2	3-Nitroaniline	5.0	< 5.0 U
83-32-9	Acenaphthene	1.0	< 1.0 U
51-28-5	2,4-Dinitrophenol	10	< 10 U
100-02-7	4-Nitrophenol	5.0	< 5.0 U
132-64-9	Dibenzofuran	1.0	< 1.0 U
606-20-2	2,6-Dinitrotoluene	5.0	< 5.0 U
121-14-2	2,4-Dinitrotoluene	5.0	< 5.0 U
84-66-2	Diethylphthalate	1.0	< 1.0 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-011711
METHOD BLANK

Lab Sample ID: MB-011711
LIMS ID: 11-874
Matrix: Water
Date Analyzed: 01/20/11 16:46

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
7005-72-3	4-Chlorophenyl-phenylether	1.0	< 1.0 U
86-73-7	Fluorene	1.0	< 1.0 U
100-01-6	4-Nitroaniline	5.0	< 5.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	10	< 10 U
86-30-6	N-Nitrosodiphenylamine	1.0	< 1.0 U
101-55-3	4-Bromophenyl-phenylether	1.0	< 1.0 U
118-74-1	Hexachlorobenzene	1.0	< 1.0 U
87-86-5	Pentachlorophenol	5.0	< 5.0 U
85-01-8	Phenanthrene	1.0	< 1.0 U
86-74-8	Carbazole	1.0	< 1.0 U
120-12-7	Anthracene	1.0	< 1.0 U
84-74-2	Di-n-Butylphthalate	1.0	< 1.0 U
206-44-0	Fluoranthene	1.0	< 1.0 U
129-00-0	Pyrene	1.0	< 1.0 U
85-68-7	Butylbenzylphthalate	1.0	< 1.0 U
91-94-1	3,3'-Dichlorobenzidine	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	1.0	< 1.0 U
117-81-7	bis(2-Ethylhexyl)phthalate	1.0	< 1.0 U
218-01-9	Chrysene	1.0	< 1.0 U
117-84-0	Di-n-Octyl phthalate	1.0	< 1.0 U
50-32-8	Benzo(a)pyrene	1.0	< 1.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	< 1.0 U
53-70-3	Dibenz(a,h)anthracene	1.0	< 1.0 U
191-24-2	Benzo(g,h,i)perylene	1.0	< 1.0 U
90-12-0	1-Methylnaphthalene	1.0	< 1.0 U

Reported in µg/L (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	79.2%	2-Fluorobiphenyl	84.8%
d14-p-Terphenyl	84.4%	d4-1,2-Dichlorobenzene	73.6%
d5-Phenol	74.7%	2-Fluorophenol	82.1%
2,4,6-Tribromophenol	80.8%	d4-2-Chlorophenol	82.1%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES WATER SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-011711	79.2%	84.8%	84.4%	73.6%	74.7%	82.1%	80.8%	82.1%	0
LCS-011711	77.6%	90.0%	89.2%	65.6%	76.5%	75.5%	90.4%	79.2%	0
LCSD-011711	74.4%	87.6%	86.8%	63.2%	70.9%	71.7%	89.1%	74.7%	0
JF-T1B1-SO-13-R	80.0%	86.0%	86.0%	75.2%	76.5%	81.6%	80.8%	82.4%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-100)	(39-100)
(FBP) = 2-Fluorobiphenyl	(49-100)	(42-100)
(TPH) = d14-p-Terphenyl	(53-119)	(26-114)
(DCB) = d4-1,2-Dichlorobenzene	(38-100)	(32-100)
(PHL) = d5-Phenol	(50-100)	(41-100)
(2FP) = 2-Fluorophenol	(46-100)	(38-100)
(TBP) = 2,4,6-Tribromophenol	(52-123)	(48-118)
(2CP) = d4-2-Chlorophenol	(53-100)	(44-100)

Prep Method: SW3520C
Log Number Range: 11-874 to 11-874

FORM-II SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-011711
LCS/LCSD

Lab Sample ID: LCS-011711
LIMS ID: 11-874
Matrix: Water
Data Release Authorized: MW
Reported: 01/25/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted LCS/LCSD: 01/17/11

Date Analyzed LCS: 01/20/11 17:19
LCSD: 01/20/11 17:51
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: NO

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 0.50 mL
LCSD: 0.50 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	17.9 Q	25.0	71.6%	17.3 Q	25.0	69.2%	3.4%
Bis-(2-Chloroethyl) Ether	17.9	25.0	71.6%	17.5	25.0	70.0%	2.3%
2-Chlorophenol	19.7	25.0	78.8%	19.3	25.0	77.2%	2.1%
1,3-Dichlorobenzene	13.8	25.0	55.2%	13.1	25.0	52.4%	5.2%
1,4-Dichlorobenzene	14.2	25.0	56.8%	13.4	25.0	53.6%	5.8%
Benzyl Alcohol	33.8	50.0	67.6%	32.7	50.0	65.4%	3.3%
1,2-Dichlorobenzene	14.9	25.0	59.6%	14.1	25.0	56.4%	5.5%
2-Methylphenol	16.5	25.0	66.0%	16.4	25.0	65.6%	0.6%
2,2'-Oxybis(1-Chloropropane)	15.5 Q	25.0	62.0%	15.1 Q	25.0	60.4%	2.6%
4-Methylphenol	33.4	50.0	66.8%	32.7	50.0	65.4%	2.1%
N-Nitroso-Di-N-Propylamine	16.4 Q	25.0	65.6%	16.3 Q	25.0	65.2%	0.6%
Hexachloroethane	12.8	25.0	51.2%	11.5	25.0	46.0%	10.7%
Nitrobenzene	19.1	25.0	76.4%	18.6	25.0	74.4%	2.7%
Isophorone	21.2	25.0	84.8%	20.9	25.0	83.6%	1.4%
2-Nitrophenol	22.3	25.0	89.2%	22.0	25.0	88.0%	1.4%
2,4-Dimethylphenol	19.1	25.0	76.4%	19.3	25.0	77.2%	1.0%
Benzoic Acid	59.6	75.0	79.5%	62.0	75.0	82.7%	3.9%
bis(2-Chloroethoxy) Methane	18.8	25.0	75.2%	17.9	25.0	71.6%	4.9%
2,4-Dichlorophenol	22.0	25.0	88.0%	21.8	25.0	87.2%	0.9%
1,2,4-Trichlorobenzene	16.4	25.0	65.6%	15.6	25.0	62.4%	5.0%
Naphthalene	19.8	25.0	79.2%	19.3	25.0	77.2%	2.6%
4-Chloroaniline	57.8	60.0	96.3%	55.8	60.0	93.0%	3.5%
Hexachlorobutadiene	14.2	25.0	56.8%	12.9	25.0	51.6%	9.6%
4-Chloro-3-methylphenol	21.4	25.0	85.6%	21.0	25.0	84.0%	1.9%
2-Methylnaphthalene	17.5	25.0	70.0%	16.9	25.0	67.6%	3.5%
Hexachlorocyclopentadiene	31.4	75.0	41.9%	30.7	75.0	40.9%	2.3%
2,4,6-Trichlorophenol	24.2	25.0	96.8%	24.3	25.0	97.2%	0.4%
2,4,5-Trichlorophenol	21.9	25.0	87.6%	21.7	25.0	86.8%	0.9%
2-Chloronaphthalene	21.4	25.0	85.6%	20.7	25.0	82.8%	3.3%
2-Nitroaniline	20.3	25.0	81.2%	20.2	25.0	80.8%	0.5%
Dimethylphthalate	22.6	25.0	90.4%	22.8	25.0	91.2%	0.9%
Acenaphthylene	23.0	25.0	92.0%	22.7	25.0	90.8%	1.3%
3-Nitroaniline	68.7	64.0	107%	69.0	64.0	108%	0.4%
Acenaphthene	22.4	25.0	89.6%	21.9	25.0	87.6%	2.3%
2,4-Dinitrophenol	66.9 Q	75.0	89.2%	70.4 Q	75.0	93.9%	5.1%
4-Nitrophenol	24.6	25.0	98.4%	25.5	25.0	102%	3.6%
Dibenzofuran	21.3	25.0	85.2%	20.8	25.0	83.2%	2.4%
2,6-Dinitrotoluene	23.0	25.0	92.0%	22.9	25.0	91.6%	0.4%
2,4-Dinitrotoluene	22.8	25.0	91.2%	22.5	25.0	90.0%	1.3%
Diethylphthalate	21.8	25.0	87.2%	21.8	25.0	87.2%	0.0%
4-Chlorophenyl-phenylether	21.1	25.0	84.4%	20.1	25.0	80.4%	4.9%
Fluorene	23.4	25.0	93.6%	22.5	25.0	90.0%	3.9%
4-Nitroaniline	22.4	25.0	89.6%	22.2	25.0	88.8%	0.9%
4,6-Dinitro-2-Methylphenol	72.5	75.0	96.7%	76.7	75.0	102%	5.6%
N-Nitrosodiphenylamine	21.4	25.0	85.6%	20.9	25.0	83.6%	2.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-011711
LCS/LCSD

Lab Sample ID: LCS-011711
LIMS ID: 11-874
Matrix: Water
Date Analyzed LCS: 01/20/11 17:19
LCSD: 01/20/11 17:51

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
4-Bromophenyl-phenylether	22.1	25.0	88.4%	20.6	25.0	82.4%	7.0%
Hexachlorobenzene	21.4	25.0	85.6%	20.6	25.0	82.4%	3.8%
Pentachlorophenol	26.8	25.0	107%	26.9	25.0	108%	0.4%
Phenanthrene	24.9	25.0	99.6%	24.2	25.0	96.8%	2.9%
Carbazole	23.4	25.0	93.6%	23.0	25.0	92.0%	1.7%
Anthracene	24.4	25.0	97.6%	23.4	25.0	93.6%	4.2%
Di-n-Butylphthalate	23.9	25.0	95.6%	23.0	25.0	92.0%	3.8%
Fluoranthene	25.7	25.0	103%	24.8	25.0	99.2%	3.6%
Pyrene	24.2	25.0	96.8%	23.2	25.0	92.8%	4.2%
Butylbenzylphthalate	23.3	25.0	93.2%	22.1	25.0	88.4%	5.3%
3,3'-Dichlorobenzidine	61.3	64.0	95.8%	15.2	64.0	23.8%	121%
Benzo(a)anthracene	26.1	25.0	104%	25.3	25.0	101%	3.1%
bis(2-Ethylhexyl)phthalate	22.8	25.0	91.2%	22.5	25.0	90.0%	1.3%
Chrysene	26.7	25.0	107%	25.8	25.0	103%	3.4%
Di-n-Octyl phthalate	23.0	25.0	92.0%	22.4	25.0	89.6%	2.6%
Benzo(a)pyrene	23.3	25.0	93.2%	22.3	25.0	89.2%	4.4%
Indeno(1,2,3-cd)pyrene	30.5	25.0	122%	29.1	25.0	116%	4.7%
Dibenz(a,h)anthracene	30.8 Q	25.0	123%	29.4 Q	25.0	118%	4.7%
Benzo(g,h,i)perylene	30.7 Q	25.0	123%	28.7 Q	25.0	115%	6.7%
1-Methylnaphthalene	18.8	25.0	75.2%	18.2	25.0	72.8%	3.2%
Total Benzofluoranthenes	48.7	50.0	97.4%	46.6	50.0	93.2%	4.4%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	77.6%	74.4%
2-Fluorobiphenyl	90.0%	87.6%
d14-p-Terphenyl	89.2%	86.8%
d4-1,2-Dichlorobenzene	65.6%	63.2%
d5-Phenol	76.5%	70.9%
2-Fluorophenol	75.5%	71.7%
2,4,6-Tribromophenol	90.4%	89.1%
d4-2-Chlorophenol	79.2%	74.7%

Results reported in µg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-03
SAMPLE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 00:58
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.45 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 18.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	300	< 300 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	59	< 59 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-03
SAMPLE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Date Analyzed: 01/25/11 00:58

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	59	< 59 U
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	< 59 U
129-00-0	Pyrene	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
218-01-9	Chrysene	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	< 59 U
50-32-8	Benzo(a)pyrene	59	< 59 U
193-39-5	Indeno(1,2,3-cd)pyrene	59	< 59 U
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U
TOTBFA	Total Benzofluoranthenes	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	63.6%	2-Fluorobiphenyl	70.0%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	68.8%	2-Fluorophenol	65.9%
2,4,6-Tribromophenol	73.9%	d4-2-Chlorophenol	69.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-03
SAMPLE

Lab Sample ID: SE82K
LIMS ID: 11-858
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 01:31
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.14 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 20.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
106-46-7	1,4-Dichlorobenzene	61	< 61 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	61	< 61 U
95-48-7	2-Methylphenol	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
621-64-7	N-Nitroso-Di-N-Propylamine	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	61	< 61 U
105-67-9	2,4-Dimethylphenol	61	< 61 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	61	< 61 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	61	< 61 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-03
SAMPLE

Lab Sample ID: SE82K
LIMS ID: 11-858
Matrix: Soil
Date Analyzed: 01/25/11 01:31

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	61	< 61 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
118-74-1	Hexachlorobenzene	61	< 61 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	61	< 61 U
86-74-8	Carbazole	61	< 61 U
120-12-7	Anthracene	61	< 61 U
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	< 61 U
129-00-0	Pyrene	61	< 61 U
85-68-7	Butylbenzylphthalate	61	< 61 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	61	< 61 U
117-81-7	bis(2-Ethylhexyl)phthalate	61	< 61 U
218-01-9	Chrysene	61	< 61 U
117-84-0	Di-n-Octyl phthalate	61	< 61 U
50-32-8	Benzo(a)pyrene	61	< 61 U
193-39-5	Indeno(1,2,3-cd)pyrene	61	< 61 U
53-70-3	Dibenz(a,h)anthracene	61	< 61 U
191-24-2	Benzo(g,h,i)perylene	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U
TOTBFA	Total Benzofluoranthenes	61	< 61 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.4%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	65.2%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	55.7%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	52.5%	d4-2-Chlorophenol	57.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-08
SAMPLE

Lab Sample ID: SE82L
LIMS ID: 11-859
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 02:04
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.19 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 25.8%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
106-46-7	1,4-Dichlorobenzene	61	< 61 U
100-51-6	Benzyl Alcohol	300	< 300 U
95-50-1	1,2-Dichlorobenzene	61	< 61 U
95-48-7	2-Methylphenol	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
621-64-7	N-Nitroso-Di-N-Propylamine	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	61	< 61 U
105-67-9	2,4-Dimethylphenol	61	< 61 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	61	< 61 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	61	< 61 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-08
SAMPLE

Lab Sample ID: SE82L
LIMS ID: 11-859
Matrix: Soil
Date Analyzed: 01/25/11 02:04

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	61	< 61 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
118-74-1	Hexachlorobenzene	61	< 61 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	61	< 61 U
86-74-8	Carbazole	61	< 61 U
120-12-7	Anthracene	61	< 61 U
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	< 61 U
129-00-0	Pyrene	61	< 61 U
85-68-7	Butylbenzylphthalate	61	< 61 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	61	< 61 U
117-81-7	bis(2-Ethylhexyl)phthalate	61	< 61 U
218-01-9	Chrysene	61	< 61 U
117-84-0	Di-n-Octyl phthalate	61	< 61 U
50-32-8	Benzo(a)pyrene	61	< 61 U
193-39-5	Indeno(1,2,3-cd)pyrene	61	< 61 U
53-70-3	Dibenz(a,h)anthracene	61	< 61 U
191-24-2	Benzo(g,h,i)perylene	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U
TOTBFA	Total Benzofluoranthenes	61	< 61 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	68.0%
d14-p-Terphenyl	68.4%	d4-1,2-Dichlorobenzene	66.0%
d5-Phenol	66.1%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	66.9%	d4-2-Chlorophenol	67.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-13
SAMPLE

Lab Sample ID: SE82M
LIMS ID: 11-860
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 02:37
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 7.98 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 28.8%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	63	< 63 U
111-44-4	Bis-(2-Chloroethyl) Ether	63	< 63 U
95-57-8	2-Chlorophenol	63	< 63 U
541-73-1	1,3-Dichlorobenzene	63	< 63 U
106-46-7	1,4-Dichlorobenzene	63	< 63 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	63	< 63 U
95-48-7	2-Methylphenol	63	< 63 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	63	< 63 U
106-44-5	4-Methylphenol	63	< 63 U
621-64-7	N-Nitroso-Di-N-Propylamine	63	< 63 U
67-72-1	Hexachloroethane	63	< 63 U
98-95-3	Nitrobenzene	63	< 63 U
78-59-1	Isophorone	63	< 63 U
88-75-5	2-Nitrophenol	63	< 63 U
105-67-9	2,4-Dimethylphenol	63	< 63 U
65-85-0	Benzoic Acid	630	< 630 U
111-91-1	bis(2-Chloroethoxy) Methane	63	< 63 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	63	< 63 U
91-20-3	Naphthalene	63	< 63 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	63	< 63 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	63	< 63 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	63	< 63 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	63	< 63 U
208-96-8	Acenaphthylene	63	< 63 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	63	< 63 U
51-28-5	2,4-Dinitrophenol	630	< 630 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	63	< 63 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	63	< 63 U
7005-72-3	4-Chlorophenyl-phenylether	63	< 63 U
86-73-7	Fluorene	63	< 63 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	630	< 630 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B1-SO-13
SAMPLE

Lab Sample ID: SE82M
LIMS ID: 11-860
Matrix: Soil
Date Analyzed: 01/25/11 02:37

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	63	< 63 U
101-55-3	4-Bromophenyl-phenylether	63	< 63 U
118-74-1	Hexachlorobenzene	63	< 63 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	63	< 63 U
86-74-8	Carbazole	63	< 63 U
120-12-7	Anthracene	63	< 63 U
84-74-2	Di-n-Butylphthalate	63	< 63 U
206-44-0	Fluoranthene	63	< 63 U
129-00-0	Pyrene	63	< 63 U
85-68-7	Butylbenzylphthalate	63	< 63 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	63	< 63 U
117-81-7	bis(2-Ethylhexyl)phthalate	63	< 63 U
218-01-9	Chrysene	63	< 63 U
117-84-0	Di-n-Octyl phthalate	63	< 63 U
50-32-8	Benzo(a)pyrene	63	< 63 U
193-39-5	Indeno(1,2,3-cd)pyrene	63	< 63 U
53-70-3	Dibenz(a,h)anthracene	63	< 63 U
191-24-2	Benzo(g,h,i)perylene	63	< 63 U
90-12-0	1-Methylnaphthalene	63	< 63 U
TOTBFA	Total Benzofluoranthenes	63	< 63 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	61.2%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	74.0%	d4-1,2-Dichlorobenzene	64.4%
d5-Phenol	65.3%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	70.7%	d4-2-Chlorophenol	66.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-03
SAMPLE

Lab Sample ID: SE82N
LIMS ID: 11-861
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 03:10
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.15 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 19.8%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	61	< 61 U
111-44-4	Bis-(2-Chloroethyl) Ether	61	< 61 U
95-57-8	2-Chlorophenol	61	< 61 U
541-73-1	1,3-Dichlorobenzene	61	< 61 U
106-46-7	1,4-Dichlorobenzene	61	< 61 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	61	< 61 U
95-48-7	2-Methylphenol	61	< 61 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	61	< 61 U
106-44-5	4-Methylphenol	61	< 61 U
621-64-7	N-Nitroso-Di-N-Propylamine	61	< 61 U
67-72-1	Hexachloroethane	61	< 61 U
98-95-3	Nitrobenzene	61	< 61 U
78-59-1	Isophorone	61	< 61 U
88-75-5	2-Nitrophenol	61	< 61 U
105-67-9	2,4-Dimethylphenol	61	< 61 U
65-85-0	Benzoic Acid	610	< 610 U
111-91-1	bis(2-Chloroethoxy) Methane	61	< 61 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	61	< 61 U
91-20-3	Naphthalene	61	< 61 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	61	< 61 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	61	< 61 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	61	< 61 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	61	< 61 U
208-96-8	Acenaphthylene	61	< 61 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	61	< 61 U
51-28-5	2,4-Dinitrophenol	610	< 610 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	61	< 61 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	61	< 61 U
7005-72-3	4-Chlorophenyl-phenylether	61	< 61 U
86-73-7	Fluorene	61	< 61 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	610	< 610 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-03
SAMPLE

Lab Sample ID: SE82N
LIMS ID: 11-861
Matrix: Soil
Date Analyzed: 01/25/11 03:10

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	61	< 61 U
101-55-3	4-Bromophenyl-phenylether	61	< 61 U
118-74-1	Hexachlorobenzene	61	< 61 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	61	< 61 U
86-74-8	Carbazole	61	< 61 U
120-12-7	Anthracene	61	< 61 U
84-74-2	Di-n-Butylphthalate	61	< 61 U
206-44-0	Fluoranthene	61	< 61 U
129-00-0	Pyrene	61	< 61 U
85-68-7	Butylbenzylphthalate	61	< 61 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	61	< 61 U
117-81-7	bis(2-Ethylhexyl)phthalate	61	< 61 U
218-01-9	Chrysene	61	< 61 U
117-84-0	Di-n-Octyl phthalate	61	< 61 U
50-32-8	Benzo(a)pyrene	61	< 61 U
193-39-5	Indeno(1,2,3-cd)pyrene	61	< 61 U
53-70-3	Dibenz(a,h)anthracene	61	< 61 U
191-24-2	Benzo(g,h,i)perylene	61	< 61 U
90-12-0	1-Methylnaphthalene	61	< 61 U
TOTBFA	Total Benzofluoranthenes	61	< 61 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	59.6%	2-Fluorobiphenyl	74.4%
d14-p-Terphenyl	72.8%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	53.9%	2-Fluorophenol	35.5%
2,4,6-Tribromophenol	45.6%	d4-2-Chlorophenol	54.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-12
SAMPLE

Lab Sample ID: SE82O
LIMS ID: 11-862
Matrix: Soil
Data Release Authorized: MW
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 03:43
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.73 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 17.4%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	57	< 57 U
111-44-4	Bis-(2-Chloroethyl) Ether	57	< 57 U
95-57-8	2-Chlorophenol	57	< 57 U
541-73-1	1,3-Dichlorobenzene	57	< 57 U
106-46-7	1,4-Dichlorobenzene	57	< 57 U
100-51-6	Benzyl Alcohol	290	< 290 U
95-50-1	1,2-Dichlorobenzene	57	< 57 U
95-48-7	2-Methylphenol	57	< 57 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	57	< 57 U
106-44-5	4-Methylphenol	57	< 57 U
621-64-7	N-Nitroso-Di-N-Propylamine	57	< 57 U
67-72-1	Hexachloroethane	57	< 57 U
98-95-3	Nitrobenzene	57	< 57 U
78-59-1	Isophorone	57	< 57 U
88-75-5	2-Nitrophenol	57	< 57 U
105-67-9	2,4-Dimethylphenol	57	< 57 U
65-85-0	Benzoic Acid	570	< 570 U
111-91-1	bis(2-Chloroethoxy) Methane	57	< 57 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	57	< 57 U
91-20-3	Naphthalene	57	< 57 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	57	< 57 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	57	< 57 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	57	< 57 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	57	< 57 U
208-96-8	Acenaphthylene	57	< 57 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	57	< 57 U
51-28-5	2,4-Dinitrophenol	570	< 570 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	57	< 57 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	57	< 57 U
7005-72-3	4-Chlorophenyl-phenylether	57	< 57 U
86-73-7	Fluorene	57	< 57 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	570	< 570 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-12
SAMPLE

Lab Sample ID: SE82O
LIMS ID: 11-862
Matrix: Soil
Date Analyzed: 01/25/11 03:43

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	57	< 57 U
101-55-3	4-Bromophenyl-phenylether	57	< 57 U
118-74-1	Hexachlorobenzene	57	< 57 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	57	< 57 U
86-74-8	Carbazole	57	< 57 U
120-12-7	Anthracene	57	< 57 U
84-74-2	Di-n-Butylphthalate	57	< 57 U
206-44-0	Fluoranthene	57	< 57 U
129-00-0	Pyrene	57	< 57 U
85-68-7	Butylbenzylphthalate	57	< 57 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	57	< 57 U
117-81-7	bis(2-Ethylhexyl)phthalate	57	< 57 U
218-01-9	Chrysene	57	< 57 U
117-84-0	Di-n-Octyl phthalate	57	< 57 U
50-32-8	Benzo(a)pyrene	57	< 57 U
193-39-5	Indeno(1,2,3-cd)pyrene	57	< 57 U
53-70-3	Dibenz(a,h)anthracene	57	< 57 U
191-24-2	Benzo(g,h,i)perylene	57	< 57 U
90-12-0	1-Methylnaphthalene	57	< 57 U
TOTBFA	Total Benzofluoranthenes	57	< 57 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.0%	2-Fluorobiphenyl	77.2%
d14-p-Terphenyl	74.8%	d4-1,2-Dichlorobenzene	66.0%
d5-Phenol	61.6%	2-Fluorophenol	46.7%
2,4,6-Tribromophenol	61.3%	d4-2-Chlorophenol	62.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-18
SAMPLE

Lab Sample ID: SE82P
LIMS ID: 11-863
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 04:16
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 7.98 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 21.5%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	63	< 63 U
111-44-4	Bis-(2-Chloroethyl) Ether	63	< 63 U
95-57-8	2-Chlorophenol	63	< 63 U
541-73-1	1,3-Dichlorobenzene	63	< 63 U
106-46-7	1,4-Dichlorobenzene	63	< 63 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	63	< 63 U
95-48-7	2-Methylphenol	63	< 63 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	63	< 63 U
106-44-5	4-Methylphenol	63	< 63 U
621-64-7	N-Nitroso-Di-N-Propylamine	63	< 63 U
67-72-1	Hexachloroethane	63	< 63 U
98-95-3	Nitrobenzene	63	< 63 U
78-59-1	Isophorone	63	< 63 U
88-75-5	2-Nitrophenol	63	< 63 U
105-67-9	2,4-Dimethylphenol	63	< 63 U
65-85-0	Benzoic Acid	630	< 630 U
111-91-1	bis(2-Chloroethoxy) Methane	63	< 63 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	63	< 63 U
91-20-3	Naphthalene	63	< 63 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	63	< 63 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	63	< 63 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	63	< 63 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	63	< 63 U
208-96-8	Acenaphthylene	63	< 63 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	63	< 63 U
51-28-5	2,4-Dinitrophenol	630	< 630 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	63	< 63 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	63	< 63 U
7005-72-3	4-Chlorophenyl-phenylether	63	< 63 U
86-73-7	Fluorene	63	< 63 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	630	< 630 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B4-SO-18
SAMPLE

Lab Sample ID: SE82P
LIMS ID: 11-863
Matrix: Soil
Date Analyzed: 01/25/11 04:16

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	63	< 63 U
101-55-3	4-Bromophenyl-phenylether	63	< 63 U
118-74-1	Hexachlorobenzene	63	< 63 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	63	< 63 U
86-74-8	Carbazole	63	< 63 U
120-12-7	Anthracene	63	< 63 U
84-74-2	Di-n-Butylphthalate	63	< 63 U
206-44-0	Fluoranthene	63	< 63 U
129-00-0	Pyrene	63	< 63 U
85-68-7	Butylbenzylphthalate	63	< 63 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	63	< 63 U
117-81-7	bis(2-Ethylhexyl)phthalate	63	< 63 U
218-01-9	Chrysene	63	< 63 U
117-84-0	Di-n-Octyl phthalate	63	< 63 U
50-32-8	Benzo(a)pyrene	63	< 63 U
193-39-5	Indeno(1,2,3-cd)pyrene	63	< 63 U
53-70-3	Dibenz(a,h)anthracene	63	< 63 U
191-24-2	Benzo(g,h,i)perylene	63	< 63 U
90-12-0	1-Methylnaphthalene	63	< 63 U
TOTBFA	Total Benzofluoranthenes	63	< 63 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.2%	2-Fluorobiphenyl	76.0%
d14-p-Terphenyl	82.8%	d4-1,2-Dichlorobenzene	68.0%
d5-Phenol	61.3%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	62.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-03
SAMPLE

Lab Sample ID: SE82Q
LIMS ID: 11-864
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 04:49
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 7.67 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 6.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	65	< 65 U
111-44-4	Bis-(2-Chloroethyl) Ether	65	< 65 U
95-57-8	2-Chlorophenol	65	< 65 U
541-73-1	1,3-Dichlorobenzene	65	< 65 U
106-46-7	1,4-Dichlorobenzene	65	< 65 U
100-51-6	Benzyl Alcohol	330	< 330 U
95-50-1	1,2-Dichlorobenzene	65	< 65 U
95-48-7	2-Methylphenol	65	< 65 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	65	< 65 U
106-44-5	4-Methylphenol	65	< 65 U
621-64-7	N-Nitroso-Di-N-Propylamine	65	< 65 U
67-72-1	Hexachloroethane	65	< 65 U
98-95-3	Nitrobenzene	65	< 65 U
78-59-1	Isophorone	65	< 65 U
88-75-5	2-Nitrophenol	65	< 65 U
105-67-9	2,4-Dimethylphenol	65	< 65 U
65-85-0	Benzoic Acid	650	< 650 U
111-91-1	bis(2-Chloroethoxy) Methane	65	< 65 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
120-82-1	1,2,4-Trichlorobenzene	65	< 65 U
91-20-3	Naphthalene	65	< 65 U
106-47-8	4-Chloroaniline	330	< 330 U
87-68-3	Hexachlorobutadiene	65	< 65 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	65	< 65 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	65	< 65 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	65	< 65 U
208-96-8	Acenaphthylene	65	< 65 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	65	< 65 U
51-28-5	2,4-Dinitrophenol	650	< 650 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	65	< 65 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	65	< 65 U
7005-72-3	4-Chlorophenyl-phenylether	65	< 65 U
86-73-7	Fluorene	65	< 65 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	650	< 650 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-03
SAMPLE

Lab Sample ID: SE82Q
LIMS ID: 11-864
Matrix: Soil
Date Analyzed: 01/25/11 04:49

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	65	< 65 U
101-55-3	4-Bromophenyl-phenylether	65	< 65 U
118-74-1	Hexachlorobenzene	65	< 65 U
87-86-5	Pentachlorophenol	330	< 330 U
85-01-8	Phenanthrene	65	< 65 U
86-74-8	Carbazole	65	< 65 U
120-12-7	Anthracene	65	< 65 U
84-74-2	Di-n-Butylphthalate	65	< 65 U
206-44-0	Fluoranthene	65	< 65 U
129-00-0	Pyrene	65	< 65 U
85-68-7	Butylbenzylphthalate	65	< 65 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	65	< 65 U
117-81-7	bis(2-Ethylhexyl)phthalate	65	< 65 U
218-01-9	Chrysene	65	< 65 U
117-84-0	Di-n-Octyl phthalate	65	< 65 U
50-32-8	Benzo(a)pyrene	65	< 65 U
193-39-5	Indeno(1,2,3-cd)pyrene	65	< 65 U
53-70-3	Dibenz(a,h)anthracene	65	< 65 U
191-24-2	Benzo(g,h,i)perylene	65	< 65 U
90-12-0	1-Methylnaphthalene	65	< 65 U
TOTBFA	Total Benzofluoranthenes	65	< 65 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	66.0%
d14-p-Terphenyl	78.4%	d4-1,2-Dichlorobenzene	59.2%
d5-Phenol	61.9%	2-Fluorophenol	54.9%
2,4,6-Tribromophenol	72.3%	d4-2-Chlorophenol	61.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-08
SAMPLE

Lab Sample ID: SE82R
LIMS ID: 11-865
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/26/11 16:31
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.00 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 11.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-08
SAMPLE

Lab Sample ID: SE82R
LIMS ID: 11-865
Matrix: Soil
Date Analyzed: 01/26/11 16:31

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	Di-n-Butylphthalate	62	< 62 U
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	bis(2-Ethylhexyl)phthalate	62	< 62 U
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U
TOTBFA	Total Benzofluoranthenes	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	76.8%
d14-p-Terphenyl	75.2%	d4-1,2-Dichlorobenzene	62.8%
d5-Phenol	45.1%	2-Fluorophenol	23.2%
2,4,6-Tribromophenol	28.8%	d4-2-Chlorophenol	47.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-18
SAMPLE

Lab Sample ID: SE82S
LIMS ID: 11-866
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 05:54
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.00 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 38.9%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	62	< 62 U
111-44-4	Bis-(2-Chloroethyl) Ether	62	< 62 U
95-57-8	2-Chlorophenol	62	< 62 U
541-73-1	1,3-Dichlorobenzene	62	< 62 U
106-46-7	1,4-Dichlorobenzene	62	< 62 U
100-51-6	Benzyl Alcohol	310	< 310 U
95-50-1	1,2-Dichlorobenzene	62	< 62 U
95-48-7	2-Methylphenol	62	< 62 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	62	< 62 U
106-44-5	4-Methylphenol	62	< 62 U
621-64-7	N-Nitroso-Di-N-Propylamine	62	< 62 U
67-72-1	Hexachloroethane	62	< 62 U
98-95-3	Nitrobenzene	62	< 62 U
78-59-1	Isophorone	62	< 62 U
88-75-5	2-Nitrophenol	62	< 62 U
105-67-9	2,4-Dimethylphenol	62	< 62 U
65-85-0	Benzoic Acid	620	< 620 U
111-91-1	bis(2-Chloroethoxy) Methane	62	< 62 U
120-83-2	2,4-Dichlorophenol	310	< 310 U
120-82-1	1,2,4-Trichlorobenzene	62	< 62 U
91-20-3	Naphthalene	62	< 62 U
106-47-8	4-Chloroaniline	310	< 310 U
87-68-3	Hexachlorobutadiene	62	< 62 U
59-50-7	4-Chloro-3-methylphenol	310	< 310 U
91-57-6	2-Methylnaphthalene	62	< 62 U
77-47-4	Hexachlorocyclopentadiene	310	< 310 U
88-06-2	2,4,6-Trichlorophenol	310	< 310 U
95-95-4	2,4,5-Trichlorophenol	310	< 310 U
91-58-7	2-Chloronaphthalene	62	< 62 U
88-74-4	2-Nitroaniline	310	< 310 U
131-11-3	Dimethylphthalate	62	< 62 U
208-96-8	Acenaphthylene	62	< 62 U
99-09-2	3-Nitroaniline	310	< 310 U
83-32-9	Acenaphthene	62	< 62 U
51-28-5	2,4-Dinitrophenol	620	< 620 U
100-02-7	4-Nitrophenol	310	< 310 U
132-64-9	Dibenzofuran	62	< 62 U
606-20-2	2,6-Dinitrotoluene	310	< 310 U
121-14-2	2,4-Dinitrotoluene	310	< 310 U
84-66-2	Diethylphthalate	62	< 62 U
7005-72-3	4-Chlorophenyl-phenylether	62	< 62 U
86-73-7	Fluorene	62	< 62 U
100-01-6	4-Nitroaniline	310	< 310 U
534-52-1	4,6-Dinitro-2-Methylphenol	620	< 620 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B3-SO-18
SAMPLE

Lab Sample ID: SE82S
LIMS ID: 11-866
Matrix: Soil
Date Analyzed: 01/25/11 05:54

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	62	< 62 U
101-55-3	4-Bromophenyl-phenylether	62	< 62 U
118-74-1	Hexachlorobenzene	62	< 62 U
87-86-5	Pentachlorophenol	310	< 310 U
85-01-8	Phenanthrene	62	< 62 U
86-74-8	Carbazole	62	< 62 U
120-12-7	Anthracene	62	< 62 U
84-74-2	**Di-n-Butylphthalate**	**62**	**1,100**
206-44-0	Fluoranthene	62	< 62 U
129-00-0	Pyrene	62	< 62 U
85-68-7	Butylbenzylphthalate	62	< 62 U
91-94-1	3,3'-Dichlorobenzidine	310	< 310 U
56-55-3	Benzo(a)anthracene	62	< 62 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**62**	**1,500**
218-01-9	Chrysene	62	< 62 U
117-84-0	Di-n-Octyl phthalate	62	< 62 U
50-32-8	Benzo(a)pyrene	62	< 62 U
193-39-5	Indeno(1,2,3-cd)pyrene	62	< 62 U
53-70-3	Dibenz(a,h)anthracene	62	< 62 U
191-24-2	Benzo(g,h,i)perylene	62	< 62 U
90-12-0	1-Methylnaphthalene	62	< 62 U
TOTBFA	Total Benzofluoranthenes	62	< 62 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.4%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	70.4%	d4-1,2-Dichlorobenzene	61.2%
d5-Phenol	60.5%	2-Fluorophenol	56.0%
2,4,6-Tribromophenol	70.4%	d4-2-Chlorophenol	61.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-03-D
SAMPLE

Lab Sample ID: SE82T
LIMS ID: 11-867
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 06:27
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.53 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 17.3%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	290	< 290 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	59	< 59 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	59	< 59 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-03-D
SAMPLE

Lab Sample ID: SE82T
LIMS ID: 11-867
Matrix: Soil
Date Analyzed: 01/25/11 06:27

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	Phenanthrene	59	< 59 U
86-74-8	Carbazole	59	< 59 U
120-12-7	Anthracene	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	Fluoranthene	59	< 59 U
129-00-0	Pyrene	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	Benzo(a)anthracene	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
218-01-9	Chrysene	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	< 59 U
50-32-8	Benzo(a)pyrene	59	< 59 U
193-39-5	Indeno(1,2,3-cd)pyrene	59	< 59 U
53-70-3	Dibenz(a,h)anthracene	59	< 59 U
191-24-2	Benzo(g,h,i)perylene	59	< 59 U
90-12-0	1-Methylnaphthalene	59	< 59 U
TOTBFA	Total Benzofluoranthenes	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	68.8%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	64.4%
d5-Phenol	66.1%	2-Fluorophenol	62.4%
2,4,6-Tribromophenol	71.2%	d4-2-Chlorophenol	66.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-08
SAMPLE

Lab Sample ID: SE82U
LIMS ID: 11-868
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 15:20
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 7.89 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 23.1%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	63	< 63 U
111-44-4	Bis-(2-Chloroethyl) Ether	63	< 63 U
95-57-8	2-Chlorophenol	63	< 63 U
541-73-1	1,3-Dichlorobenzene	63	< 63 U
106-46-7	1,4-Dichlorobenzene	63	< 63 U
100-51-6	Benzyl Alcohol	320	< 320 U
95-50-1	1,2-Dichlorobenzene	63	< 63 U
95-48-7	2-Methylphenol	63	< 63 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	63	< 63 U
106-44-5	4-Methylphenol	63	< 63 U
621-64-7	N-Nitroso-Di-N-Propylamine	63	< 63 U
67-72-1	Hexachloroethane	63	< 63 U
98-95-3	Nitrobenzene	63	< 63 U
78-59-1	Isophorone	63	< 63 U
88-75-5	2-Nitrophenol	63	< 63 U
105-67-9	2,4-Dimethylphenol	63	< 63 U
65-85-0	Benzoic Acid	630	< 630 U
111-91-1	bis(2-Chloroethoxy) Methane	63	< 63 U
120-83-2	2,4-Dichlorophenol	320	< 320 U
120-82-1	1,2,4-Trichlorobenzene	63	< 63 U
91-20-3	Naphthalene	63	< 63 U
106-47-8	4-Chloroaniline	320	< 320 U
87-68-3	Hexachlorobutadiene	63	< 63 U
59-50-7	4-Chloro-3-methylphenol	320	< 320 U
91-57-6	2-Methylnaphthalene	63	< 63 U
77-47-4	Hexachlorocyclopentadiene	320	< 320 U
88-06-2	2,4,6-Trichlorophenol	320	< 320 U
95-95-4	2,4,5-Trichlorophenol	320	< 320 U
91-58-7	2-Chloronaphthalene	63	< 63 U
88-74-4	2-Nitroaniline	320	< 320 U
131-11-3	Dimethylphthalate	63	< 63 U
208-96-8	Acenaphthylene	63	< 63 U
99-09-2	3-Nitroaniline	320	< 320 U
83-32-9	Acenaphthene	63	< 63 U
51-28-5	2,4-Dinitrophenol	630	< 630 U
100-02-7	4-Nitrophenol	320	< 320 U
132-64-9	Dibenzofuran	63	< 63 U
606-20-2	2,6-Dinitrotoluene	320	< 320 U
121-14-2	2,4-Dinitrotoluene	320	< 320 U
84-66-2	Diethylphthalate	63	< 63 U
7005-72-3	4-Chlorophenyl-phenylether	63	< 63 U
86-73-7	Fluorene	63	< 63 U
100-01-6	4-Nitroaniline	320	< 320 U
534-52-1	4,6-Dinitro-2-Methylphenol	630	< 630 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-08
SAMPLE

Lab Sample ID: SE82U
LIMS ID: 11-868
Matrix: Soil
Date Analyzed: 01/25/11 15:20

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	63	< 63 U
101-55-3	4-Bromophenyl-phenylether	63	< 63 U
118-74-1	Hexachlorobenzene	63	< 63 U
87-86-5	Pentachlorophenol	320	< 320 U
85-01-8	Phenanthrene	63	< 63 U
86-74-8	Carbazole	63	< 63 U
120-12-7	Anthracene	63	< 63 U
84-74-2	Di-n-Butylphthalate	63	< 63 U
206-44-0	Fluoranthene	63	< 63 U
129-00-0	Pyrene	63	< 63 U
85-68-7	Butylbenzylphthalate	63	< 63 U
91-94-1	3,3'-Dichlorobenzidine	320	< 320 U
56-55-3	Benzo(a)anthracene	63	< 63 U
117-81-7	bis(2-Ethylhexyl)phthalate	63	< 63 U
218-01-9	Chrysene	63	< 63 U
117-84-0	Di-n-Octyl phthalate	63	< 63 U
50-32-8	Benzo(a)pyrene	63	< 63 U
193-39-5	Indeno(1,2,3-cd)pyrene	63	< 63 U
53-70-3	Dibenz(a,h)anthracene	63	< 63 U
191-24-2	Benzo(g,h,i)perylene	63	< 63 U
90-12-0	1-Methylnaphthalene	63	< 63 U
TOTBFA	Total Benzofluoranthenes	63	< 63 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.4%	2-Fluorobiphenyl	66.4%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	63.2%
d5-Phenol	63.7%	2-Fluorophenol	62.1%
2,4,6-Tribromophenol	59.2%	d4-2-Chlorophenol	65.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-13
SAMPLE

Lab Sample ID: SE82V
LIMS ID: 11-869
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted: 01/18/11
Date Analyzed: 01/25/11 15:53
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 8.31 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 27.0%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	300	< 300 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
621-64-7	N-Nitroso-Di-N-Propylamine	60	< 60 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	60	< 60 U
105-67-9	2,4-Dimethylphenol	60	< 60 U
65-85-0	Benzoic Acid	600	< 600 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	60	< 60 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	60	< 60 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: JF-T1B2-SO-13
SAMPLE

Lab Sample ID: SE82V
LIMS ID: 11-869
Matrix: Soil
Date Analyzed: 01/25/11 15:53

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
118-74-1	Hexachlorobenzene	60	< 60 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	Phenanthrene	60	< 60 U
86-74-8	Carbazole	60	< 60 U
120-12-7	Anthracene	60	< 60 U
84-74-2	Di-n-Butylphthalate	60	< 60 U
206-44-0	Fluoranthene	60	< 60 U
129-00-0	Pyrene	60	< 60 U
85-68-7	Butylbenzylphthalate	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	Benzo(a)anthracene	60	< 60 U
117-81-7	bis(2-Ethylhexyl)phthalate	60	< 60 U
218-01-9	Chrysene	60	< 60 U
117-84-0	Di-n-Octyl phthalate	60	< 60 U
50-32-8	Benzo(a)pyrene	60	< 60 U
193-39-5	Indeno(1,2,3-cd)pyrene	60	< 60 U
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	Benzo(g,h,i)perylene	60	< 60 U
90-12-0	1-Methylnaphthalene	60	< 60 U
TOTBFA	Total Benzofluoranthenes	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.8%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	73.6%	d4-1,2-Dichlorobenzene	61.6%
d5-Phenol	59.7%	2-Fluorophenol	58.7%
2,4,6-Tribromophenol	54.1%	d4-2-Chlorophenol	61.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-011811
METHOD BLANK

Lab Sample ID: MB-011811
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Date Extracted: 01/18/11
Date Analyzed: 01/24/11 20:36
Instrument/Analyst: NT6/JZ
GPC Cleanup: Yes

Sample Amount: 7.50 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	67	< 67 U
111-44-4	Bis-(2-Chloroethyl) Ether	67	< 67 U
95-57-8	2-Chlorophenol	67	< 67 U
541-73-1	1,3-Dichlorobenzene	67	< 67 U
106-46-7	1,4-Dichlorobenzene	67	< 67 U
100-51-6	Benzyl Alcohol	330	< 330 U
95-50-1	1,2-Dichlorobenzene	67	< 67 U
95-48-7	2-Methylphenol	67	< 67 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	67	< 67 U
106-44-5	4-Methylphenol	67	< 67 U
621-64-7	N-Nitroso-Di-N-Propylamine	67	< 67 U
67-72-1	Hexachloroethane	67	< 67 U
98-95-3	Nitrobenzene	67	< 67 U
78-59-1	Isophorone	67	< 67 U
88-75-5	2-Nitrophenol	67	< 67 U
105-67-9	2,4-Dimethylphenol	67	< 67 U
65-85-0	Benzoic Acid	670	< 670 U
111-91-1	bis(2-Chloroethoxy) Methane	67	< 67 U
120-83-2	2,4-Dichlorophenol	330	< 330 U
120-82-1	1,2,4-Trichlorobenzene	67	< 67 U
91-20-3	Naphthalene	67	< 67 U
106-47-8	4-Chloroaniline	330	< 330 U
87-68-3	Hexachlorobutadiene	67	< 67 U
59-50-7	4-Chloro-3-methylphenol	330	< 330 U
91-57-6	2-Methylnaphthalene	67	< 67 U
77-47-4	Hexachlorocyclopentadiene	330	< 330 U
88-06-2	2,4,6-Trichlorophenol	330	< 330 U
95-95-4	2,4,5-Trichlorophenol	330	< 330 U
91-58-7	2-Chloronaphthalene	67	< 67 U
88-74-4	2-Nitroaniline	330	< 330 U
131-11-3	Dimethylphthalate	67	< 67 U
208-96-8	Acenaphthylene	67	< 67 U
99-09-2	3-Nitroaniline	330	< 330 U
83-32-9	Acenaphthene	67	< 67 U
51-28-5	2,4-Dinitrophenol	670	< 670 U
100-02-7	4-Nitrophenol	330	< 330 U
132-64-9	Dibenzofuran	67	< 67 U
606-20-2	2,6-Dinitrotoluene	330	< 330 U
121-14-2	2,4-Dinitrotoluene	330	< 330 U
84-66-2	Diethylphthalate	67	< 67 U
7005-72-3	4-Chlorophenyl-phenylether	67	< 67 U
86-73-7	Fluorene	67	< 67 U
100-01-6	4-Nitroaniline	330	< 330 U
534-52-1	4,6-Dinitro-2-Methylphenol	670	< 670 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: MB-011811
METHOD BLANK

Lab Sample ID: MB-011811
LIMS ID: 11-857
Matrix: Soil
Date Analyzed: 01/24/11 20:36

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

CAS Number	Analyte	RL	Result
86-30-6	N-Nitrosodiphenylamine	67	< 67 U
101-55-3	4-Bromophenyl-phenylether	67	< 67 U
118-74-1	Hexachlorobenzene	67	< 67 U
87-86-5	Pentachlorophenol	330	< 330 U
85-01-8	Phenanthrene	67	< 67 U
86-74-8	Carbazole	67	< 67 U
120-12-7	Anthracene	67	< 67 U
84-74-2	Di-n-Butylphthalate	67	< 67 U
206-44-0	Fluoranthene	67	< 67 U
129-00-0	Pyrene	67	< 67 U
85-68-7	Butylbenzylphthalate	67	< 67 U
91-94-1	3,3'-Dichlorobenzidine	330	< 330 U
56-55-3	Benzo(a)anthracene	67	< 67 U
117-81-7	bis(2-Ethylhexyl)phthalate	67	< 67 U
218-01-9	Chrysene	67	< 67 U
117-84-0	Di-n-Octyl phthalate	67	< 67 U
50-32-8	Benzo(a)pyrene	67	< 67 U
193-39-5	Indeno(1,2,3-cd)pyrene	67	< 67 U
53-70-3	Dibenz(a,h)anthracene	67	< 67 U
191-24-2	Benzo(g,h,i)perylene	67	< 67 U
90-12-0	1-Methylnaphthalene	67	< 67 U
TOTBFA	Total Benzofluoranthenes	67	< 67 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	69.6%	2-Fluorobiphenyl	76.8%
d14-p-Terphenyl	94.8%	d4-1,2-Dichlorobenzene	73.2%
d5-Phenol	77.6%	2-Fluorophenol	71.7%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	77.3%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
MB-011811	69.6%	76.8%	94.8%	73.2%	77.6%	71.7%	72.5%	77.3%	0
LCS-011811	65.6%	77.6%	94.0%	65.2%	71.7%	66.9%	82.9%	70.9%	0
LCSD-011811	66.0%	78.8%	92.8%	65.2%	72.3%	68.3%	84.5%	70.9%	0
JF-T1B2-SO-03	63.6%	70.0%	70.4%	67.2%	68.8%	65.9%	73.9%	69.9%	0
JF-T1B1-SO-03	54.4%	63.2%	65.2%	59.2%	55.7%	46.9%	52.5%	57.1%	0
JF-T1B1-SO-08	61.2%	68.0%	68.4%	66.0%	66.1%	62.4%	66.9%	67.5%	0
JF-T1B1-SO-13	61.2%	69.6%	74.0%	64.4%	65.3%	62.9%	70.7%	66.9%	0
JF-T1B4-SO-03	59.6%	74.4%	72.8%	59.2%	53.9%	35.5%	45.6%	54.9%	0
JF-T1B4-SO-12	64.0%	77.2%	74.8%	66.0%	61.6%	46.7%	61.3%	62.7%	0
JF-T1B4-SO-18	65.2%	76.0%	82.8%	68.0%	61.3%	46.9%	59.2%	62.9%	0
JF-T1B3-SO-03	56.4%	66.0%	78.4%	59.2%	61.9%	54.9%	72.3%	61.6%	0
JF-T1B3-SO-08	60.8%	76.8%	75.2%	62.8%	45.1%	23.2%	28.8%*	47.7%	1
JF-T1B3-SO-18	58.4%	70.4%	70.4%	61.2%	60.5%	56.0%	70.4%	61.9%	0
JF-T1B2-SO-03-D	60.8%	68.8%	75.6%	64.4%	66.1%	62.4%	71.2%	66.7%	0
JF-T1B2-SO-08	60.4%	66.4%	75.6%	63.2%	63.7%	62.1%	59.2%	65.6%	0
JF-T1B2-SO-13	56.8%	64.0%	73.6%	61.6%	59.7%	58.7%	54.1%	61.6%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(46-102)	(32-106)
(FBP) = 2-Fluorobiphenyl	(51-105)	(39-107)
(TPH) = d14-p-Terphenyl	(55-124)	(31-130)
(DCB) = d4-1,2-Dichlorobenzene	(48-104)	(38-102)
(PHL) = d5-Phenol	(44-110)	(27-112)
(2FP) = 2-Fluorophenol	(38-112)	(22-108)
(TBP) = 2,4,6-Tribromophenol	(54-120)	(31-131)
(2CP) = d4-2-Chlorophenol	(50-103)	(36-104)

Prep Method: SW3546
Log Number Range: 11-857 to 11-869

FORM-II SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCS-011811
LCS/LCSD

Lab Sample ID: LCS-011811
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/27/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted LCS/LCSD: 01/18/11

Date Analyzed LCS: 01/24/11 21:08
LCSD: 01/24/11 21:41
Instrument/Analyst LCS: NT6/JZ
LCSD: NT6/JZ
GPC Cleanup: Yes

Sample Amount LCS: 7.50 g
LCSD: 7.50 g
Final Extract Volume LCS: 0.5 mL
LCSD: 0.5 mL
Dilution Factor LCS: 1.00
LCSD: 1.00
Percent Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Phenol	1090	1670	65.3%	1120	1670	67.1%	2.7%
Bis-(2-Chloroethyl) Ether	1060	1670	63.5%	1110	1670	66.5%	4.6%
2-Chlorophenol	1180	1670	70.7%	1220	1670	73.1%	3.3%
1,3-Dichlorobenzene	1020	1670	61.1%	1080	1670	64.7%	5.7%
1,4-Dichlorobenzene	1040	1670	62.3%	1080	1670	64.7%	3.8%
Benzyl Alcohol	2020	3330	60.7%	2100	3330	63.1%	3.9%
1,2-Dichlorobenzene	1050	1670	62.9%	1090	1670	65.3%	3.7%
2-Methylphenol	1010	1670	60.5%	1060	1670	63.5%	4.8%
2,2'-Oxybis(1-Chloropropane)	900	1670	53.9%	935	1670	56.0%	3.8%
4-Methylphenol	2100	3330	63.1%	2170	3330	65.2%	3.3%
N-Nitroso-Di-N-Propylamine	1030	1670	61.7%	1060	1670	63.5%	2.9%
Hexachloroethane	1040	1670	62.3%	1070	1670	64.1%	2.8%
Nitrobenzene	1070	1670	64.1%	1100	1670	65.9%	2.8%
Isophorone	1240	1670	74.3%	1280	1670	76.6%	3.2%
2-Nitrophenol	1300	1670	77.8%	1360	1670	81.4%	4.5%
2,4-Dimethylphenol	1020	1670	61.1%	1130	1670	67.7%	10.2%
Benzoic Acid	3310	5000	66.2%	3610	5000	72.2%	8.7%
bis(2-Chloroethoxy) Methane	1070	1670	64.1%	1120	1670	67.1%	4.6%
2,4-Dichlorophenol	1300	1670	77.8%	1370	1670	82.0%	5.2%
1,2,4-Trichlorobenzene	1120	1670	67.1%	1160	1670	69.5%	3.5%
Naphthalene	1210	1670	72.5%	1260	1670	75.4%	4.0%
4-Chloroaniline	3340	4000	83.5%	3450	4000	86.2%	3.2%
Hexachlorobutadiene	1100	1670	65.9%	1150	1670	68.9%	4.4%
4-Chloro-3-methylphenol	1290	1670	77.2%	1340	1670	80.2%	3.8%
2-Methylnaphthalene	1090	1670	65.3%	1150	1670	68.9%	5.4%
Hexachlorocyclopentadiene	3360	5000	67.2%	3560	5000	71.2%	5.8%
2,4,6-Trichlorophenol	1440	1670	86.2%	1460	1670	87.4%	1.4%
2,4,5-Trichlorophenol	1310	1670	78.4%	1320	1670	79.0%	0.8%
2-Chloronaphthalene	1280	1670	76.6%	1330	1670	79.6%	3.8%
2-Nitroaniline	1180	1670	70.7%	1200	1670	71.9%	1.7%
Dimethylphthalate	1340	1670	80.2%	1360	1670	81.4%	1.5%
Acenaphthylene	1380	1670	82.6%	1430	1670	85.6%	3.6%
3-Nitroaniline	3930	4270	92.0%	4040	4270	94.6%	2.8%
Acenaphthene	1310	1670	78.4%	1370	1670	82.0%	4.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Semivolatiles by SW8270D GC/MS

Sample ID: LCSD-011811
LCS/LCSD

Lab Sample ID: LCS-011811
LIMS ID: 11-857
Matrix: Soil
Date Analyzed LCS: 01/24/11 21:08
LCSD: 01/24/11 21:41

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
2,4-Dinitrophenol	3010 Q	5000	60.2%	3490 Q	5000	69.8%	14.8%
4-Nitrophenol	1480	1670	88.6%	1520	1670	91.0%	2.7%
Dibenzofuran	1250	1670	74.9%	1300	1670	77.8%	3.9%
2,6-Dinitrotoluene	1360	1670	81.4%	1380	1670	82.6%	1.5%
2,4-Dinitrotoluene	1360	1670	81.4%	1370	1670	82.0%	0.7%
Diethylphthalate	1290	1670	77.2%	1310	1670	78.4%	1.5%
4-Chlorophenyl-phenylether	1270	1670	76.0%	1310	1670	78.4%	3.1%
Fluorene	1350	1670	80.8%	1390	1670	83.2%	2.9%
4-Nitroaniline	1360	1670	81.4%	1410	1670	84.4%	3.6%
4,6-Dinitro-2-Methylphenol	4220	5000	84.4%	4550	5000	91.0%	7.5%
N-Nitrosodiphenylamine	1310	1670	78.4%	1350	1670	80.8%	3.0%
4-Bromophenyl-phenylether	1280	1670	76.6%	1330	1670	79.6%	3.8%
Hexachlorobenzene	1250	1670	74.9%	1330	1670	79.6%	6.2%
Pentachlorophenol	1480	1670	88.6%	1560	1670	93.4%	5.3%
Phenanthrene	1420	1670	85.0%	1480	1670	88.6%	4.1%
Carbazole	1280	1670	76.6%	1310	1670	78.4%	2.3%
Anthracene	1390	1670	83.2%	1440	1670	86.2%	3.5%
Di-n-Butylphthalate	1330	1670	79.6%	1380	1670	82.6%	3.7%
Fluoranthene	1390	1670	83.2%	1450	1670	86.8%	4.2%
Pyrene	1660	1670	99.4%	1660	1670	99.4%	0.0%
Butylbenzylphthalate	1500	1670	89.8%	1520	1670	91.0%	1.3%
3,3'-Dichlorobenzidine	4030	4270	94.4%	4190	4270	98.1%	3.9%
Benzo(a)anthracene	1540	1670	92.2%	1560	1670	93.4%	1.3%
bis(2-Ethylhexyl)phthalate	1330	1670	79.6%	1340	1670	80.2%	0.7%
Chrysene	1580	1670	94.6%	1590	1670	95.2%	0.6%
Di-n-Octyl phthalate	1190	1670	71.3%	1160	1670	69.5%	2.6%
Benzo(a)pyrene	1390	1670	83.2%	1420	1670	85.0%	2.1%
Indeno(1,2,3-cd)pyrene	1800 Q	1670	108%	1840 Q	1670	110%	2.2%
Dibenz(a,h)anthracene	1790 Q	1670	107%	1850 Q	1670	111%	3.3%
Benzo(g,h,i)perylene	1820 Q	1670	109%	1820 Q	1670	109%	0.0%
1-Methylnaphthalene	1150	1670	68.9%	1190	1670	71.3%	3.4%
Total Benzofluoranthenes	2890	3330	86.8%	2940	3330	88.3%	1.7%

Semivolatile Surrogate Recovery

	LCS	LCSD
d5-Nitrobenzene	65.6%	66.0%
2-Fluorobiphenyl	77.6%	78.8%
d14-p-Terphenyl	94.0%	92.8%
d4-1,2-Dichlorobenzene	65.2%	65.2%
d5-Phenol	71.7%	72.3%
2-Fluorophenol	66.9%	68.3%
2,4,6-Tribromophenol	82.9%	84.5%
d4-2-Chlorophenol	70.9%	70.9%

Reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned

Matrix: Soil

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Data Release Authorized: VB
Reported: 01/22/11

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-011711	Method Blank	01/17/11	01/20/11	1.00	Diesel	5.0	< 5.0 U
11-857	HC ID: ---		FID4B	1.0	Motor Oil	10	< 10 U
					Mineral Oil	10	< 10 U
					o-Terphenyl		97.4%
SE82J	JF-T1B2-SO-03	01/17/11	01/21/11	1.00	Diesel	6.0	< 6.0 U
11-857	HC ID: ---		FID4B	1.0	Motor Oil	12	< 12 U
					Mineral Oil	12	< 12 U
					o-Terphenyl		87.2%
SE82K	JF-T1B1-SO-03	01/17/11	01/21/11	1.00	**Diesel**	**6.0**	**6.7**
11-858	HC ID: **DRO/MOTOR OIL**		FID4B	1.0	**Motor Oil**	**12**	**25**
					Mineral Oil	**12**	**22**
					o-Terphenyl		78.1%
SE82L	JF-T1B1-SO-08	01/17/11	01/21/11	1.00	Diesel	6.6	< 6.6 U
11-859	HC ID: ---		FID4B	1.0	Motor Oil	13	< 13 U
					Mineral Oil	13	< 13 U
					o-Terphenyl		62.7%
SE82M	JF-T1B1-SO-13	01/17/11	01/21/11	1.00	Diesel	6.7	< 6.7 U
11-860	HC ID: ---		FID4B	1.0	Motor Oil	13	< 13 U
					Mineral Oil	13	< 13 U
					o-Terphenyl		90.9%
SE82N	JF-T1B4-SO-03	01/17/11	01/21/11	1.00	**Diesel**	**6.1**	**130**
11-861	HC ID: **DRO/MOTOR OIL**		FID4B	1.0	**Motor Oil**	**12**	**540**
					Mineral Oil	**12**	**470**
					o-Terphenyl		78.2%
SE82O	JF-T1B4-SO-12	01/17/11	01/21/11	1.00	**Diesel**	**6.0**	**15**
11-862	HC ID: **DRO/MOTOR OIL**		FID4B	1.0	**Motor Oil**	**12**	**46**
					Mineral Oil	**12**	**40**
					o-Terphenyl		91.3%
SE82P	JF-T1B4-SO-18	01/17/11	01/21/11	1.00	Diesel	6.4	< 6.4 U
11-863	HC ID: ---		FID4B	1.0	Motor Oil	13	< 13 U
					Mineral Oil	13	< 13 U
					o-Terphenyl		91.8%
SE82Q	JF-T1B3-SO-03	01/17/11	01/21/11	1.00	Diesel	5.2	< 5.2 U
11-864	HC ID: ---		FID4B	1.0	Motor Oil	10	< 10 U
					Mineral Oil	10	< 10 U
					o-Terphenyl		97.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned

Matrix: Soil

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Data Release Authorized: VB
Reported: 01/22/11

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
SE82R	JF-T1B3-SO-08	01/17/11	01/21/11	1.00	**Diesel**	**5.6**	**11**
11-865	HC ID: **DRO/MOTOR OIL**		FID4B	1.0	**Motor Oil**	**11**	**65**
					Mineral Oil	**11**	**57**
					o-Terphenyl		89.7%
SE82S	JF-T1B3-SO-18	01/17/11	01/21/11	1.00	**Diesel**	**8.1**	**91**
11-866	HC ID: **DIESEL/MOTOR OIL**		FID4B	1.0	**Motor Oil**	**16**	**170**
					Mineral Oil	**16**	**150**
					o-Terphenyl		87.1%
SE82T	JF-T1B2-SO-03-D	01/17/11	01/21/11	1.00	Diesel	5.6	< 5.6 U
11-867	HC ID: ---		FID4B	1.0	Motor Oil	11	< 11 U
					Mineral Oil	11	< 11 U
					o-Terphenyl		83.4%
SE82U	JF-T1B2-SO-08	01/17/11	01/21/11	1.00	Diesel	6.4	< 6.4 U
11-868	HC ID: ---		FID4B	1.0	Motor Oil	13	< 13 U
					Mineral Oil	13	< 13 U
					o-Terphenyl		75.6%
SE82V	JF-T1B2-SO-13	01/17/11	01/21/11	1.00	Diesel	6.6	< 6.6 U
11-869	HC ID: ---		FID4B	1.0	Motor Oil	13	< 13 U
					Mineral Oil	13	< 13 U
					o-Terphenyl		89.1%

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
Mineral Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	OTER	TOT OUT
MB-011711	97.4%	0
LCS-011711	105%	0
LCSD-011711	100%	0
JF-T1B2-SO-03	87.2%	0
JF-T1B1-SO-03	78.1%	0
JF-T1B1-SO-08	62.7%	0
JF-T1B1-SO-13	90.9%	0
JF-T1B4-SO-03	78.2%	0
JF-T1B4-SO-12	91.3%	0
JF-T1B4-SO-18	91.8%	0
JF-T1B3-SO-03	97.1%	0
JF-T1B3-SO-08	89.7%	0
JF-T1B3-SO-18	87.1%	0
JF-T1B2-SO-03-D	83.4%	0
JF-T1B2-SO-08	75.6%	0
JF-T1B2-SO-13	89.1%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(59-134)	(43-137)

Prep Method: SW3546
Log Number Range: 11-857 to 11-869

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned

Sample ID: LCS-011711
LCS/LCSD

Lab Sample ID: LCS-011711
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized: VB
Reported: 01/22/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted LCS/LCSD: 01/17/11

Date Analyzed LCS: 01/21/11 00:23
LCSD: 01/21/11 00:46
Instrument/Analyst LCS: FID/MS
LCSD: FID/MS

Sample Amount LCS: 10.0 g
LCSD: 10.0 g
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.0
LCSD: 1.0

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	138	150	92.0%	133	150	88.7%	3.7%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	105%	100%

Results reported in mg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: SE82
Project: Jorgenson Forge 7KPL2JDR

Matrix: Soil
Date Received: 01/14/11

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
11-857-011711MB1	Method Blank	10.0 g	1.00 mL	-	01/17/11
11-857-011711LCS1	Lab Control	10.0 g	1.00 mL	-	01/17/11
11-857-011711LCSD1	Lab Control Dup	10.0 g	1.00 mL	-	01/17/11
11-857-SE82J	JF-T1B2-SO-03	8.30 g	1.00 mL	D	01/17/11
11-858-SE82K	JF-T1B1-SO-03	8.31 g	1.00 mL	D	01/17/11
11-859-SE82L	JF-T1B1-SO-08	7.54 g	1.00 mL	D	01/17/11
11-860-SE82M	JF-T1B1-SO-13	7.50 g	1.00 mL	D	01/17/11
11-861-SE82N	JF-T1B4-SO-03	8.20 g	1.00 mL	D	01/17/11
11-862-SE82O	JF-T1B4-SO-12	8.38 g	1.00 mL	D	01/17/11
11-863-SE82P	JF-T1B4-SO-18	7.88 g	1.00 mL	D	01/17/11
11-864-SE82Q	JF-T1B3-SO-03	9.56 g	1.00 mL	D	01/17/11
11-865-SE82R	JF-T1B3-SO-08	8.96 g	1.00 mL	D	01/17/11
11-866-SE82S	JF-T1B3-SO-18	6.17 g	1.00 mL	D	01/17/11
11-867-SE82T	JF-T1B2-SO-03-D	8.87 g	1.00 mL	D	01/17/11
11-868-SE82U	JF-T1B2-SO-08	7.86 g	1.00 mL	D	01/17/11
11-869-SE82V	JF-T1B2-SO-13	7.53 g	1.00 mL	D	01/17/11

Basis: D=Dry Weight W=As Received

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Data Release Authorized: VB
Reported: 01/22/11

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-011711	Method Blank	01/17/11	01/21/11	1.00	Diesel	0.10	< 0.10 U
11-874	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					Mineral Oil	0.20	< 0.20 U
					o-Terphenyl		86.5%
SE82AA	JF-T1B1-SO-13-R	01/17/11	01/21/11	1.00	Diesel	0.10	< 0.10 U
11-874	HC ID: ---		FID3B	1.0	Motor Oil	0.20	< 0.20 U
					Mineral Oil	0.20	< 0.20 U
					o-Terphenyl		87.5%

Reported in mg/L (ppm)

EFV-Effective Final Volume in mL.
DL-Dilution of extract prior to analysis.
RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
Mineral Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR

Client ID	OTER	TOT OUT
MB-011711	86.5%	0
LCS-011711	94.0%	0
LCSD-011711	92.0%	0
JF-T1B1-SO-13-R	87.5%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(53-123)	(49-118)

Prep Method: SW3510C
Log Number Range: 11-874 to 11-874

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned

Sample ID: LCS-011711
LCS/LCSD

Lab Sample ID: LCS-011711
LIMS ID: 11-874
Matrix: Water
Data Release Authorized: VTB
Reported: 01/22/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Date Extracted LCS/LCSD: 01/17/11

Date Analyzed LCS: 01/21/11 17:57
LCSD: 01/21/11 18:22
Instrument/Analyst LCS: FID/JGR
LCSD: FID/JGR

Sample Amount LCS: 500 mL
LCSD: 500 mL
Final Extract Volume LCS: 1.0 mL
LCSD: 1.0 mL
Dilution Factor LCS: 1.00
LCSD: 1.00

Range	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Diesel	2.43	3.00	81.0%	2.31	3.00	77.0%	5.1%

TPHD Surrogate Recovery

	LCS	LCSD
o-Terphenyl	94.0%	92.0%

Results reported in mg/L
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: SE82
Matrix: Water
Project: Jorgenson Forge
Date Received: 01/14/11
7KPL2JDR

ARI ID	Client ID	Samp Amt	Final Vol	Prep Date
11-874-011711MB1	Method Blank	500 mL	1.00 mL	01/17/11
11-874-011711LCS1	Lab Control	500 mL	1.00 mL	01/17/11
11-874-011711LCSD1	Lab Control Dup	500 mL	1.00 mL	01/17/11
11-874-SE82AA	JF-T1B1-SO-13-R	500 mL	1.00 mL	01/17/11

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-03
SAMPLE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 82.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	6	6	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**17.5**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**4**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**15**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**28**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-03
DUPLICATE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	6010B	6 U	6 U	0.0%	+/- 6	L
Cadmium	6010B	0.2 U	0.2 U	0.0%	+/- 0.2	L
Copper	6010B	17.5	16.8	4.1%	+/- 20%	
Lead	6010B	4	4	0.0%	+/- 2	L
Nickel	6010B	15	10	40.0%	+/- 20%	*
Zinc	6010B	28	28	0.0%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-03
MATRIX SPIKE

Lab Sample ID: SE82J
LIMS ID: 11-857
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	6010B	6 U	216	225	96.0%	
Cadmium	6010B	0.2 U	56.4	56.1	101%	
Copper	6010B	17.5	70.6	56.1	94.7%	
Lead	6010B	4	215	225	93.8%	
Nickel	6010B	15	65	56.1	89.1%	
Zinc	6010B	28	83	56.1	98.0%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B1-SO-03
SAMPLE

Lab Sample ID: SE82K
LIMS ID: 11-858
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 81.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	**7440-38-2**	**Arsenic**	6	**7**	
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.2	**0.4**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**3,830**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**24**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**25**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**68**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B1-SO-08
SAMPLE

Lab Sample ID: SE82L
LIMS ID: 11-859
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 74.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	7	7	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.3	**21.2**	
3050B	01/19/11	6010B	01/20/11	7439-92-1	Lead	3	3	U
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**11**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**25**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B1-SO-13
SAMPLE

Lab Sample ID: SE82M
LIMS ID: 11-860
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 72.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	7	7	U
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.3	**16.9**	
3050B	01/19/11	6010B	01/20/11	7439-92-1	Lead	3	3	U
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**14**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**245**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B4-SO-03
SAMPLE

Lab Sample ID: SE82N
LIMS ID: 11-861
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 78.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	120	120	U
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	5	**87**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	5	**55,900**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	50	**2,850**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	20	**2,160**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	20	**5,270**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B4-SO-12
SAMPLE

Lab Sample ID: SE82O
LIMS ID: 11-862
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 83.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	6	6	U
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.2	**0.8**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**59.4**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**11**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**22**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**83**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B4-SO-18
SAMPLE

Lab Sample ID: SE82P
LIMS ID: 11-863
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 79.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	6	6	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**9.5**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**5**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**8**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**57**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B3-SO-03
SAMPLE

Lab Sample ID: SE82Q
LIMS ID: 11-864
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 93.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	5	5	U
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.2	**0.3**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**45.7**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**7**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**20**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**53**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B3-SO-08
SAMPLE

Lab Sample ID: SE82R
LIMS ID: 11-865
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 89.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	**7440-38-2**	**Arsenic**	5	**6**	
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.2	**1.1**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**70.5**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**11**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**25**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**126**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B3-SO-18
SAMPLE

Lab Sample ID: SE82S
LIMS ID: 11-866
Matrix: Soil
Data Release Authorized
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 56.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	**7440-38-2**	**Arsenic**	9	**12**	
3050B	01/19/11	6010B	01/20/11	**7440-43-9**	**Cadmium**	0.3	**38.2**	
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.3	**257**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	3	**1,330**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	2	**53**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	2	**2,720**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-03-D
SAMPLE

Lab Sample ID: SE82T
LIMS ID: 11-867
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 82.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	6	6	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**14.5**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**4**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**9**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**28**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-08
SAMPLE

Lab Sample ID: SE82U
LIMS ID: 11-868
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 78.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	6	6	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.2	**17.6**	
3050B	01/19/11	6010B	01/20/11	**7439-92-1**	**Lead**	2	**3**	
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**13**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**29**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B2-SO-13
SAMPLE

Lab Sample ID: SE82V
LIMS ID: 11-869
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Percent Total Solids: 70.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	7	7	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.3	0.3	U
3050B	01/19/11	6010B	01/20/11	**7440-50-8**	**Copper**	0.3	**18.2**	
3050B	01/19/11	6010B	01/20/11	7439-92-1	Lead	3	3	U
3050B	01/19/11	6010B	01/20/11	**7440-02-0**	**Nickel**	1	**13**	
3050B	01/19/11	6010B	01/20/11	**7440-66-6**	**Zinc**	1	**26**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: SE82MB
LIMS ID: 11-858
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	01/19/11	6010B	01/20/11	7440-38-2	Arsenic	5	5	U
3050B	01/19/11	6010B	01/20/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	7440-50-8	Copper	0.2	0.2	U
3050B	01/19/11	6010B	01/20/11	7439-92-1	Lead	2	2	U
3050B	01/19/11	6010B	01/20/11	7440-02-0	Nickel	1	1	U
3050B	01/19/11	6010B	01/20/11	7440-66-6	Zinc	1	1	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: SE82LCS
LIMS ID: 11-858
Matrix: Soil
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	189	200	94.5%	
Cadmium	6010B	48.8	50.0	97.6%	
Copper	6010B	48.9	50.0	97.8%	
Lead	6010B	186	200	93.0%	
Nickel	6010B	48	50	96.0%	
Zinc	6010B	48	50	96.0%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: JF-T1B1-SO-13-R
SAMPLE

Lab Sample ID: SE82AA
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: 01/14/11
Date Received: 01/14/11

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	01/18/11	6010B	01/20/11	7440-38-2	Arsenic	0.05	0.05	U
3010A	01/18/11	6010B	01/20/11	7440-43-9	Cadmium	0.002	0.002	U
3010A	01/18/11	6010B	01/20/11	7440-50-8	Copper	0.002	0.002	U
3010A	01/18/11	6010B	01/20/11	7439-92-1	Lead	0.02	0.02	U
3010A	01/18/11	6010B	01/20/11	7440-02-0	Nickel	0.01	0.01	U
3010A	01/18/11	6010B	01/20/11	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: SE82MB
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/L	Q
3010A	01/18/11	6010B	01/20/11	7440-38-2	Arsenic	0.05	0.05	U
3010A	01/18/11	6010B	01/20/11	7440-43-9	Cadmium	0.002	0.002	U
3010A	01/18/11	6010B	01/20/11	7440-50-8	Copper	0.002	0.002	U
3010A	01/18/11	6010B	01/20/11	7439-92-1	Lead	0.02	0.02	U
3010A	01/18/11	6010B	01/20/11	7440-02-0	Nickel	0.01	0.01	U
3010A	01/18/11	6010B	01/20/11	7440-66-6	Zinc	0.01	0.01	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: SE82LCS
LIMS ID: 11-874
Matrix: Water
Data Release Authorized:
Reported: 01/21/11

QC Report No: SE82-The Boeing Company
Project: Jorgenson Forge
7KPL2JDR
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	6010B	1.97	2.00	98.5%	
Cadmium	6010B	0.509	0.500	102%	
Copper	6010B	0.503	0.500	101%	
Lead	6010B	1.94	2.00	97.0%	
Nickel	6010B	0.50	0.50	100%	
Zinc	6010B	0.50	0.50	100%	

Reported in mg/L

N-Control limit not met
Control Limits: 80-120%