ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 09/30/97
Laboratory Sample No : 97090541
Laboratory Reference No : MWI 9579

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	51	96	102	6
1,1-Dichloroethene	0.0	50	40	45	80	90	12
Trichloroethene	1.9	50	53	65	102	126	20
Toluene	0.0	50	49	53	98	106	8
Chlorobenzene	0.0	50	49	53	98	106	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 09/30/97
Laboratory Sample No : 97090546
Laboratory Reference No : MWI 9579

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	18	95	90	5
1,1-Dichloroethene	0.0	20	16	15	80	75	6
Trichloroethene	0.0	20	18	18	90	90	0
Toluene	0.0	20	20	19	100	95	5
Chlorobenzene	0.0	20	19	18	95	90	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/25/97-09/29/97-09/30/97
Laboratory Sample No :97090539-97090543-97090607
Laboratory Reference No : MWI9579

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.0	26.0	26.3	87	88	1
Arsenic	0.00	10.0	10.1	10.2	101	102	1
Barium	11.0	10.0	20.9	20.9	99	99	0
Beryllium	0.00	1.00	0.87	0.89	87	89	2
Cadmium	0.00	1.00	0.82	0.88	82	88	7
Chromium (Total)	3.20	5.00	7.60	7.60	88	88	0
Chromium (VI)	0.00	1.00	0.95	0.96	95	96	1
Cobalt	0.89	1.00	1.70	1.80	81	91	6
Copper	1.90	1.00	2.70	2.90	80	100	7
Lead	0.00	10.0	8.00	9.00	80	90	12
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.00	10.0	9.2	9.3	92	93	1
Nickel	1.40	5.0	5.4	5.6	80	84	4
Selenium	0.00	10.0	10.5	10.1	105	101	4
Silver	0.00	5.0	3.8	3.9	76	78	3
Thallium	0.00	30.0	29.5	25.6	98	85	14
Vanadium	3.70	5.0	7.8	8.8	82	102	12
Zinc	8.50	5.0	12.6	12.8	82	86	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/25/97-09/30/97
Laboratory Sample No : 97090545-97090609-97090626
Laboratory Reference No : MWI 9579

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.30	3.00	110	100	10
Arsenic	0.00	1.00	1.10	0.99	110	99	11
Barium	0.00	1.00	1.20	1.20	120	120	0
Beryllium	0.00	0.100	0.110	0.100	110	100	10
Cadmium	0.00	0.100	0.120	0.110	120	110	9
Chromium (VI)	0.00	0.50	0.45	0.50	90	100	11
Chromium (Total)	0.00	0.10	0.098	0.089	98	89	10
Cobalt	0.00	0.100	0.115	0.102	115	102	12
Copper	0.00	0.100	0.110	0.110	110	110	0
Lead	0.00	1.00	1.10	1.10	110	110	0
Mercury	0.000	0.020	0.019	0.019	95	95	0
Molybdenum	0.00	1.00	1.20	1.10	120	110	9
Nickel	0.00	0.50	0.48	0.48	96	96	0
Selenium	0.00	1.00	0.92	1.10	92	110	18
Silver	0.00	0.50	0.45	0.43	90	86	5
Thallium	0.00	3.00	3.60	2.70	120	90	29
Vanadium	0.00	0.50	0.58	0.55	116	110	5
Zinc	0.450	0.100	0.560	0.540	110	90	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/25/97
Laboratory Sample No : 97090484
Laboratory Reference No : MWI 9579

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	109	99	109	99	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9579

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.4	2.4	96	96	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/02/97
Laboratory Sample No : 97090411
Laboratory Reference No : MWI 9579

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	110	83	44	33	28

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9579

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	13	55	65	17

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/29/97
Laboratory Sample No : 97090607
Laboratory Reference No : MWI 9579

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	46	86	92	7
n-Nitroso-di-n-propylamine	0.0	50	42	46	84	92	9
1,2,4-Trichlorobenzene	0.0	50	47	50	94	100	6
Acenaphthene	0.0	50	48	50	96	100	4
Pyrene	0.0	50	50	51	99	102	2
Pentachlorophenol	0.0	100	83	92	83	92	10
4-Chloro-3-Methylphenol	0.0	100	84	89	84	89	6
2-Chlorophenol	0.0	100	82	87	82	87	6
Phenol	0.0	100	80	85	80	85	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/26/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9579

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	28	32	56	64	13
n-Nitroso-di-n-propylamine	0.0	50	47	49	94	98	4
1,2,4-Trichlorobenzene	0.0	50	32	36	64	72	12
Acenaphthene	0.0	50	42	43	84	86	2
Pyrene	0.0	50	57	58	99	116	2
Pentachlorophenol	0.0	100	75	70	75	70	7
4-Chloro-3-Methylphenol	0.0	100	64	64	64	64	0
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	20	21	20	21	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 9/26/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please analyze the following sample for PCBs (8080) on standard turn-around time:

B37C1-GS-3-5'

Please call me at (818) 568-6334 to confirm your receipt of this fax.
Thanks!

If you do not receive all pages, or if there are any problems with this transmission, please call Brenda Whitney at 818-568-6514.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: Standard TAT Otherwise

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: MONTGOMERY WATSON	PROJECT NAME: The Boeing Company
SEND REPORT TO: FRED STRAUSS	NUMBER: 1206035.01090010
ADDRESS: 250 N. MADISON AVE.	LOCATION: C-6 Facility
PASADENA, CA 91101	ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: AWN/IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	TITLE 22 METALS	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C1-GS-3-5'	2	09/24/97	0900	SOIL	2"x6" ss sleeve	ICE	X	X	X	X					
OA2-A.7-49-1'	2	09/24/97	0916				X	X	X	X					
B37C1-GS-4-5'	2	09/24/97	0918				X	X	X	X					
B37C1-GS-5-5'	2	09/24/97	0950				X	X	X	X					
B37C1-GS-6-5'	2	09/24/97	1010				X	X	X	X					
B40-GS-1-1'	2	09/24/97	1150				X	X	X	X					
B41-GS-1-1'	2	09/24/97	1501				X	X							
B41-GS-2-2'	2	09/24/97	1509				X	X							
EQUIPMENT BLANK	7	09/24/97	1530	WATER	Amber 1 poly 2VOAs	none HNO3 HCl	X	X	X	X	X	X			
RINSATE BLANK	7	09/24/97	1545				X	X	X	X	X	X			
TRIP BLANK	2	09/24/97	—		2VOAs	HCl			X						

Total No. of Samples: 11

Method of Shipment: 1 cooler via Orange Coast Carrier

Relinquished By:	Date/Time:	Received By:	Date/Time:
IVAN Vargas	9/24/97 1605		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: 9/24/97 16:05

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
Intact ✓ on ice _____

All samples remain the property of the client who is responsible for di[illegible]. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084449

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09/26/97
Reported: 09/26/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090607	B37C1-GS-7-11'	N.D.

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C1-GS-7-11'

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09-26/29/30/97
Reported: 10/06/97

Laboratory Sample Number: 97090607
Laboratory Reference #: MWI 9588

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	N.D.
Barium	6010	100	10000	0.1	100
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	30
Cobalt	6010	80	8000	0.5	8.6
Copper	6010	25	2500	0.1	19
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	16
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	35
Zinc	6010	250	5000	0.1	54

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: ***The Boeing Company***
Client Project #: ***1206035.01090010***

Sample Description: Soil, B37C1-GS-7-11'
Laboratory Sample Number: 97090607
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/01/97
Reported: 10/06/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C1-GS-7-11'
Laboratory Sample #: 97090607

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	106
Toluene-d8	111
4-Bromofluorobenzene	106

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C1-GS-7-11'
Laboratory Sample Number: 97090607
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09/29/97
Reported: 10/07/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, B37C1-GS-7-11'
Laboratory Sample #: 97090607

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09/29/97
Reported: 10/06/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97090608	Equip Blank	N.D.
97090609	Rinsate Blank	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 9/26/30/97
Reported: 10/06/97

Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9588

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 9/26/30/97
Reported: 10/06/97

Laboratory Sample Number: 97090609
Laboratory Reference #: MWI 9588

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090608

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	102
Toluene-d8	110
4-Bromofluorobenzene	105

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090609
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090609

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	104
Toluene-d8	110
4-Bromofluorobenzene	107

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97090610
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97090610

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	103
Toluene-d8	110
4-Bromofluorobenzene	108

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09/30/97
Reported: 10/07/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090608

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090609
Laboratory Reference #: MWI 9588

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 09/30/97
Reported: 10/07/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090609

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9588

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

Laboratory Sample Number: 97090609
Laboratory Reference #: MWI 9588

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

Laboratory Sample Number: 97090609
Laboratory Reference #: MWI 9588

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/25/97
Received: 09/25/97
Analyzed: 10/02/97
Reported: 10/07/97

Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9588

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/26/97-09/29/97-09/30/97
Laboratory Sample No :97090539-97090607
Laboratory Reference No : MWI9588

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.0	26.0	26.3	87	88	1
Arsenic	0.00	10.0	10.1	10.2	101	102	1
Barium	11.0	10.0	20.9	20.9	99	99	0
Beryllium	0.00	1.00	0.87	0.89	87	89	2
Cadmium	0.00	1.00	0.82	0.88	82	88	7
Chromium (Total)	3.20	5.00	7.60	7.60	88	88	0
Chromium (VI)	0.00	1.00	0.93	0.93	93	93	0
Cobalt	0.89	1.00	1.70	1.80	81	91	6
Copper	1.90	1.00	2.70	2.90	80	100	7
Lead	0.00	10.0	8.00	9.00	80	90	12
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.00	10.0	9.2	9.3	92	93	1
Nickel	1.40	5.0	5.4	5.6	80	84	4
Selenium	0.00	10.0	10.5	10.1	105	101	4
Silver	0.00	5.0	3.8	3.9	76	78	3
Thallium	0.00	30.0	29.5	25.6	98	85	14
Vanadium	3.70	5.0	7.8	8.8	82	102	12
Zinc	8.50	5.0	12.6	12.8	82	86	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/26/97-09/30/97
Laboratory Sample No : 97090608-97090609-97090626
Laboratory Reference No : MWI 9588

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.30	3.00	110	100	10
Arsenic	0.00	1.00	1.10	0.99	110	99	11
Barium	0.00	1.00	1.20	1.20	120	120	0
Beryllium	0.00	0.100	0.110	0.100	110	100	10
Cadmium	0.00	0.100	0.120	0.110	120	110	9
Chromium (VI)	0.00	0.50	0.45	0.43	90	86	5
Chromium (Total)	0.00	0.10	0.098	0.089	98	89	10
Cobalt	0.00	0.100	0.115	0.102	115	102	12
Copper	0.00	0.100	0.110	0.110	110	110	0
Lead	0.00	1.00	1.10	1.10	110	110	0
Mercury	0.000	0.020	0.019	0.019	95	95	0
Molybdenum	0.00	1.00	1.20	1.10	120	110	9
Nickel	0.00	0.50	0.48	0.48	96	96	0
Selenium	0.00	1.00	0.92	1.10	92	110	18
Silver	0.00	0.50	0.45	0.43	90	86	5
Thallium	0.00	3.00	3.60	2.70	120	90	29
Vanadium	0.00	0.50	0.58	0.55	116	110	5
Zinc	0.450	0.100	0.560	0.540	110	90	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 10/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9588

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.56	0.62	56	62	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9588

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	13	55	65	17

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/26/97
Laboratory Sample No : 97090498
Laboratory Reference No : MWI 9588

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	99	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9588

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.4	2.4	96	96	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/29/97
Laboratory Sample No : 97090607
Laboratory Reference No : MWI 9588

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	46	86	92	7
n-Nitroso-di-n-propylamine	0.0	50	42	46	84	92	9
1,2,4-Trichlorobenzene	0.0	50	47	50	94	100	6
Acenaphthene	0.0	50	48	50	96	100	4
Pyrene	0.0	50	50	51	99	102	2
Pentachlorophenol	0.0	100	83	92	83	92	10
4-Chloro-3-Methylphenol	0.0	100	84	89	84	89	6
2-Chlorophenol	0.0	100	82	87	82	87	6
Phenol	0.0	100	80	85	80	85	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/30/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9588

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	28	26	56	52	7
n-Nitroso-di-n-propylamine	0.0	50	43	38	86	76	12
1,2,4-Trichlorobenzene	0.0	50	33	31	66	62	6
Acenaphthene	0.0	50	47	44	94	88	7
Pyrene	0.0	50	50	48	99	96	4
Pentachlorophenol	0.0	100	84	81	84	81	4
4-Chloro-3-Methylphenol	0.0	100	81	75	81	75	8
2-Chlorophenol	0.0	100	83	78	83	78	6
Phenol	0.0	100	34	32	34	32	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/02/97
Laboratory Sample No : 97090697
Laboratory Reference No : MWI 9588

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	55	104	110	6
1,1-Dichloroethene	0.0	50	56	61	112	122	9
Trichloroethene	0.0	50	61	63	122	126	3
Toluene	0.0	50	53	56	106	112	6
Chlorobenzene	0.0	50	49	52	98	104	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/02/97
Laboratory Sample No : 97090610
Laboratory Reference No : MWI 9588

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	18	95	90	5
1,1-Dichloroethene	0.0	20	19	18	95	90	5
Trichloroethene	0.0	20	19	17	95	85	11
Toluene	0.0	20	20	19	100	95	5
Chlorobenzene	0.0	20	18	18	90	90	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24 hr TAT on Soil TRPH only!
REQUIRED TAT: Standard TAT Otherwise

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N. Madison Ave.	LOCATION:	C-6 Facility
	Pasadena, CA 91101	ADDRESS:	19503 S. Normandie Ave.
			Los Angeles, CA
PHONE:	(626) 568-6582 FAX: (626) 796-5944	SAMPLED BY:	AWN/IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C1-GS-7-11'	2	9/25/97	1056	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					
Equipment Blank	7	9/25/97	1515	WATER	4 amber 1 poly 2 VOA	none HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	9/25/97	1530	↓	↓	↓	X	X	X	X	X	X			
Trip Blank	2	9/25/97	—	↓	2 VOAs	HCL			X						

Total No. of Samples: 4

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	9/25/97 1545.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 9/25/97 15:45

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible . ;posal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084483

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 09/30/97
Reported: 09/30/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090669	B37C2-GS-2-2'	N.D.
97090670	B37C2-GS-3-2'	2,200
97090671	B37C2-GS-4-2'	N.D.
97090672	B37C2-GS-5-2'	N.D.
97090673	B37C2-GS-6-4'	N.D.
97090674	B41-GS-3-2'	1,300
97090675	B41-GS-4-3'	760
97090676	B41-GS-5-1'	32,000
97090677	B41-GS-6-1'	47

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-2-2'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090669
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	18
Barium	6010	100	10000	0.1	88
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	20
Cobalt	6010	80	8000	0.5	6.5
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	8.6
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	26
Zinc	6010	250	5000	0.1	32

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-3-2'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090670
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	14
Barium	6010	100	10000	0.1	100
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	24
Cobalt	6010	80	8000	0.5	7.0
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	2.3
Nickel	6010	20	2000	0.5	10
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	27
Zinc	6010	250	5000	0.1	35

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-4-2'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090671
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	7.6
Barium	6010	100	10000	0.1	97
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	23
Cobalt	6010	80	8000	0.5	7.2
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	11
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	25
Zinc	6010	250	5000	0.1	29

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-5-2'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090672
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	30
Barium	6010	100	10000	0.1	99
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	21
Cobalt	6010	80	8000	0.5	7.3
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	9.7
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	27
Zinc	6010	250	5000	0.1	33

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-6-4'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090673
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	5.5
Barium	6010	100	10000	0.1	100
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	19
Cobalt	6010	80	8000	0.5	6.8
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	6.6
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	22
Zinc	6010	250	5000	0.1	42

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-2-2'
Laboratory Sample Number: 97090669
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/01/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	4.6	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C2-GS-2-2'
Laboratory Sample #: 97090669

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	118
Toluene-d8	110
4-Bromofluorobenzene	105

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-3-2'
Laboratory Sample Number: 97090670
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/01/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C2-GS-3-2'
Laboratory Sample #: 97090670

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	107
Toluene-d8	106
4-Bromofluorobenzene	101

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/01/97
Reported: 10/09/97

Sample Description: Soil, B37C2-GS-4-2'
Laboratory Sample Number: 97090671
Laboratory Reference #: MWI 9601

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C2-GS-4-2'
Laboratory Sample #: 97090671

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	111
Toluene-d8	111
4-Bromofluorobenzene	103

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-5-2'
Laboratory Sample Number: 97090672
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/01/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C2-GS-5-2'
Laboratory Sample #: 97090672

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	112
Toluene-d8	107
4-Bromofluorobenzene	100

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-6-4'
Laboratory Sample Number: 97090673
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/01/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	3.0	<---
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	8.6	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	7.0	<---
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, B37C2-GS-6-4'
Laboratory Sample #: 97090673

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	105
Toluene-d8	109
4-Bromofluorobenzene	101

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-2-2'
Laboratory Sample Number: 97090669
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, B37C2-GS-2-2'
Laboratory Sample #: 97090669

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-3-2'
Laboratory Sample Number: 97090670
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	120	<---
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	230	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, B37C2-GS-3-2'
Laboratory Sample #: 97090670

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	100	200	<---
Fluorene	86-73-7	100	N.D.	
Hexachlorobenzene	118-74-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Hexachlorocyclopentadiene	77-47-4	100	N.D.	
Hexachloroethane	67-72-1	100	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.	
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	N.D.	
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	N.D.	
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	230	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-4-2'
Laboratory Sample Number: 97090671
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	N.D.	
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	420	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, B37C2-GS-4-2'
Laboratory Sample #: 97090671

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-5-2'
Laboratory Sample Number: 97090672
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	N.D.	
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	1,900	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, B37C2-GS-5-2'
Laboratory Sample #: 97090672

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B37C2-GS-6-4'
Laboratory Sample Number: 97090673
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, B37C2-GS-6-4'
Laboratory Sample #: 97090673

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/06/97
Reported: 10/09/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97090678	Equip Blank	N.D.
97090679	Rinsate Blank	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/02/1997
Reported: 10/09/97

Laboratory Sample Number: 97090678
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/02/1997
Reported: 10/09/97

Laboratory Sample Number: 97090679
Laboratory Reference #: MWI 9601

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090678
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/06/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090678

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	104
Toluene-d8	103
4-Bromofluorobenzene	102

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090679
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/06/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090679

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	104
Toluene-d8	100
4-Bromofluorobenzene	103

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97090680

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	108
Toluene-d8	100
4-Bromofluorobenzene	105

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97090680
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/06/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090608
Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090678

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/02/97
Reported: 10/09/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090679
Laboratory Reference #: MWI 9601

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

ORANGE COAST ANALYTICAL, INC.
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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090679

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/03/97
Reported: 10/09/97

Laboratory Sample Number: 97090678
Laboratory Reference #: MWI 9601

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/03/97
Reported: 10/09/97

Laboratory Sample Number: 97090679
Laboratory Reference #: MWI 9601

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/03/97
Reported: 10/09/97

Laboratory Sample Number: 97090678
Laboratory Reference #: MWI 9601

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 10/03/97
Reported: 10/09/97

Laboratory Sample Number: 97090679
Laboratory Reference #: MWI 9601

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/06/97
Laboratory Sample No : 97090680
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	21	100	105	5
1,1-Dichloroethene	0.0	20	23	25	115	125	8
Trichloroethene	0.0	20	19	21	95	105	10
Toluene	0.0	20	20	21	100	105	5
Chlorobenzene	0.0	20	19	21	95	105	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/01/97
Laboratory Sample No : 97090697
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	55	104	110	6
1,1-Dichloroethene	0.0	50	56	61	112	122	9
Trichloroethene	0.0	50	61	63	122	126	3
Toluene	0.0	50	53	56	106	112	6
Chlorobenzene	0.0	50	49	52	98	104	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/30/97
Laboratory Sample No : 97090530
Laboratory Reference No : MWI 9601

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	103	103	103	103	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 10/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9601

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.4	92	96	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/30/97-10/02/97
Laboratory Sample No : 97090626-97090678-97100034
Laboratory Reference No : MWI 9601

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.30	3.00	110	100	10
Arsenic	0.00	1.00	1.10	0.99	110	99	11
Barium	0.00	1.00	1.20	1.20	120	120	0
Beryllium	0.00	0.100	0.110	0.100	110	100	10
Cadmium	0.00	0.100	0.120	0.110	120	110	9
Chromium (VI)	0.00	0.50	0.53	0.53	106	106	0
Chromium (Total)	0.00	0.10	0.098	0.089	98	89	10
Cobalt	0.00	0.100	0.115	0.102	115	102	12
Copper	0.00	0.100	0.110	0.110	110	110	0
Lead	0.00	1.00	1.10	1.10	110	110	0
Mercury	0.000	0.020	0.017	0.018	85	90	6
Molybdenum	0.00	1.00	1.20	1.10	120	110	9
Nickel	0.00	0.50	0.48	0.48	96	96	0
Selenium	0.00	1.00	0.92	1.10	92	110	18
Silver	0.00	0.50	0.45	0.43	90	86	5
Thallium	0.00	3.00	3.60	2.70	120	90	29
Vanadium	0.00	0.50	0.58	0.55	116	110	5
Zinc	0.450	0.100	0.560	0.540	110	90	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 9/30/97-10/01/97-10/02/97
Laboratory Sample No :97090677-97090697
Laboratory Reference No : MWI9601

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.0	28.0	27.0	93	90	4
Arsenic	0.73	10.0	9.7	9.6	90	89	1
Barium	13.0	10.0	22.0	22.0	90	90	0
Beryllium	0.00	1.00	0.96	0.93	96	93	3
Cadmium	0.00	1.00	0.95	0.96	95	96	1
Chromium (Total)	2.50	5.00	8.10	7.60	112	102	6
Chromium (VI)	0.00	1.00	0.90	0.88	90	88	2
Cobalt	0.79	1.00	1.70	1.60	91	81	6
Copper	1.50	1.00	2.50	2.40	100	90	4
Lead	0.00	10.0	12.00	12.00	120	120	0
Mercury	0.000	0.020	0.020	0.022	100	110	10
Molybdenum	0.00	10.0	9.8	9.6	98	96	2
Nickel	0.12	5.0	5.5	5.3	108	104	4
Selenium	0.00	10.0	9.3	9.5	93	95	2
Silver	0.00	5.0	4.9	4.9	98	98	0
Thallium	0.00	30.0	30.0	29.0	100	97	3
Vanadium	3.00	5.0	8.1	7.9	102	98	2
Zinc	3.80	5.0	9.1	9.1	106	106	0

Definition of Terms :

R1	Results Of First Analysis
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MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 10/02/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9601

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	39	40	78	80	3
1,2,4-Trichlorobenzene	0.0	50	44	46	88	92	4
Acenaphthene	0.0	50	44	44	88	88	0
Pyrene	0.0	50	59	62	99	124	5
Pentachlorophenol	0.0	100	79	79	79	79	0
4-Chloro-3-Methylphenol	0.0	100	68	68	68	68	0
2-Chlorophenol	0.0	100	77	77	77	77	0
Phenol	0.0	100	64	64	64	64	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 10/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9601

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	46	47	92	94	2
1,2,4-Trichlorobenzene	0.0	50	41	42	82	84	2
Acenaphthene	0.0	50	44	46	88	92	4
Pyrene	0.0	50	45	47	99	94	4
Pentachlorophenol	0.0	100	81	93	81	93	14
4-Chloro-3-Methylphenol	0.0	100	65	78	65	78	18
2-Chlorophenol	0.0	100	75	83	75	83	10
Phenol	0.0	100	30	35	30	35	15

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 10/03/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.87	0.92	87	92	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/03/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	13	11	65	55	17

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/02/97
Laboratory Sample No : 97090411
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	110	83	44	33	28

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 10/06/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	72	73	72	73	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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Laboratory Director

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/06/97
Laboratory Sample No : 97100052
Laboratory Reference No : MWI 9601

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	51	50	102	100	2
1,1-Dichloroethene	0.0	50	55	53	110	106	4
Trichloroethene	10	50	52	53	84	86	2
Toluene	0.0	50	52	53	104	106	2
Chlorobenzene	0.0	50	49	50	98	100	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

MONTGOMERY WATSON

SUBMIT ANALYSIS REQUEST ASAP

BY AWN DATE 10/3/97 CLIENT BRC SHEET ____ OF ____

CHKD. BY ____ DESCRIPTION Supplemental Analyses JOB NO. 1206035.01090010

9/29/97 B41-GS-3-2' } Run VOCs, SVOCs on highest TRPH
B41-GS-4-3'
B41-GS-5-1' } Run VOCs, SVOCs on highest TRPH (already requested)
B41-GS-6-1'
} Run PCBs on highest TRPH already requested

10/1-2/97 BA-GS-2 thru BA-GS-9 → Run PCBs on highest TRPH

9/30/97 B66AC1-GS-1-2' } → Run VOCs, SVOCs, PCBs on highest TRPH
B66AC1-GS-2-2'

10/1/97 OA2-A.3-47-1 } → Run VOCs, SVOCs, PCBs

9/24/97 B41-GS-1-1' } → Run VOCs, SVOCs on both (may have added to one or both already).
B41-GS-2-2'
Cancelled by MWT 10-3

EN 3A-12/90

FAX

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 9/30/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please analyze the following sample for VOCs (8260), SVOCs (8270), Carbon Chain Analysis, and PCBs (8080) on standard turn-around time:

B41-GS-5-1'

Please call me at (818) 568-6334 to confirm your receipt of this fax.
Thanks!

If you do not receive all pages, or if there are any problems with this transmission, please call Brenda Whitney at 818-568-6514.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr. TAT on Soil TRPH only. Standard TAT Otherwise

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01096010
ADDRESS:	250 N. Madison Ave. Pasadena, CA 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	(626) 568-6582 FAX: (626) 796-5944	SAMPLED BY:	IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C2-GS-2-2'	2	9/29/97	1150	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					
B37C2-GS-3-2'	2	9/29/97	1155				X	X	X	X					
B37C2-GS-4-2'	2	9/29/97	1240				X	X	X	X					
B37C2-GS-5-2'	2	9/29/97	1305				X	X	X	X					
B37C2-GS-6-4'	2	9/29/97	1330				X	X	X	X					
B41-GS-3-2'	2	9/29/97	1415				X	X							
B41-GS-4-3'	2	9/29/97	1420				X	X							
B41-GS-5-1'	2	9/29/97	1425				X	X							
B41-GS-6-1'	2	9/29/97	1435				X	X							
Equipment Blank	7	9/29/97	1500	WATER	4 amber 1 poly	none HNO3	X	X	X	X	X	X			
Rinsate Blank	7	9/29/97	1515				X	X	X	X	X	X			
Trip Blank	2	9/29/97	—		2 VOAs	HCl			X						

Total No. of Samples: 12

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	9/29/97 1530		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	9/29/97 15:30

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084542

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9674

Analytical Method: EPA 418.1, 8260, 8270, 8080, Title 22 Metals

Date Sampled: 10/23/97
Date Received: 10/23/97
Date Reported: 10/31/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100345	97100346	97100347	97100348	97100349	97100350	97100351	97100352
							SAMP TYPE	S	S	S	S	S	S	W	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	BF11	BR11
							SAMP ID	B37C3-GS-1-5'	B37C3-GS-2-5'	B37C3-GS-3-5'	B37C3-GS-4-5'	B61C1-SL-1	B44-RE1-SP2A	EQUIP BLANK	RINSATE BLANK
							SAMP DATE	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
							SAMP TIME	7:55	8:40	8:55	9.05	10 45	11:40	14 45	15 00
							SAMP DEPTH	5'	5'	5'	5'				
							PRESERVED							, N, H	, N, H
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
							REC TIME	15:10	15:10	15:10	15:10	15 10	15:10	15:10	15 10
							BASIS	W	W	W	W	W	W	W	W
							Tested	10/24/97	10/24/97	10/24/97	10/24/97	10/24/97		10/27/97	10/27/97
418.1	8.0	0 5		T		ppm	Extractable Hydrocarbons	15,000	25,000	22,000	21,000	2,600		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	5.0	0 5		T		ppm	Antimony	<	<	<	<	<		<	<
6010	1.0	0.1		T		ppm	Arsenic	<	<	<	<	<		<	<
6010	0.1	0 01		T		ppm	Barium	120	94	140	130	130		<	<
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<	<		<	<
6010	0.1	0 01		T		ppm	Cadmium	<	<	<	<	3 4		<	<
							Tested	10/24/97	10/24/97	10/24/97	10/24/97	10/24/97		10/24/97	10/24/97
7196	0.5	0 01		T		ppm	Chromium (VI)	<	<	<	<	<		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	0 1	0 01		T		ppm	Chromium Total	23	17	5 6	8 0	110		<	<
6010	0.5	0 1		T		ppm	Cobalt	7.1	3.8	1 1	2 2	3.7		<	<
6010	0.1	0 01		T		ppm	Copper	10	11	3 5	5 2	85		<	<
6010	1.0	0 1		T		ppm	Lead	<	1.4	2.3	<	37		<	<
							Tested	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97		10/28/97	10/28/97
7471	0 01	0.002		T		ppm	Mercury	<	<	<	<	<		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<	<		<	<
6010	0.5	0.1		T		ppm	Nickel	10	7.4	4 1	5.0	6.1		<	<
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<	<		<	<
6010	0.1	0.1		T		ppm	Silver	<	<	<	<	<		<	<
6010	5.0	0 5		T		ppm	Thallium	<	<	<	<	<		<	<
6010	0.5	0 1		T		ppm	Vanadium	27	20	11	12	15		<	<
6010	0.1	0.01		T		ppm	Zinc	33	82	20	32	420		<	<
STLC				S		ppm									
TCLP				C		ppm									
							Tested	10/28/97	10/30/97	10/28/97	10/28/97	10/30/97		10/28/97	10/28/97
							Dilution Factor	20	20	20	20	20		1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<		<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<		<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<		<	<

BOE-C6-0084544

8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<		<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<		<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<		<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<		<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<		<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<		<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<		<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<		<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<		<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	800	840	<	61	<		<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<		<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<		<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<		<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<		<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<		<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<		<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<		<	<
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<		<	<
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<		<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<		<	<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	160	490	50	110	<		<	<
8260	2.5	0.5	108-88-3	T		ppb	Toluene	75	120	<	<	<		<	<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	440	150	<	170	<		<	<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<		<	<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	280	<	<	74	<		<	<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<		<	<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<		<	<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<		<	<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	130	150	<	<	150		<	<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<		<	<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<		<	<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<		<	<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<		<	<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<		<	<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<		<	<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<		<	<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<		<	<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	100	<	<	230		<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<		<	<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<		<	<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<		<	<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	98	210	<	<	<		<	<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<		<	<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	450	1,200	150	<	640		<	<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<	<	<	<		<	<
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	220	670	61	<	450		<	<
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	1,600	5,000	470	61	3,400		<	<
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<	<	<	<		<	<
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	110	220	<	<	120		<	<
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<		<	<
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<		<	<

BOE-C6-0084545

8260	2 5	0 5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<		<	<
8260	2 5	0 5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<		<	<
8260	5.0	1 0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<		<	<
8260	2 5	0 5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<		<	<
8260	2 5	0 5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<		<	<
8260	2 5	0 5	91-20-3	T		ppb	Naphthalene	170	360	58	<	<		<	<
8260	2 5	0 5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<		<	<
					T	%	Dibromofluoromethane	117	111	117	113	111		102	103
					T	%	Toluene-d8	83	87	86	88	80		101	98
					T	%	4-Bromofluorobenzene	83	75	84	86	83		105	96
							Tested	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97		10/25/97	10/25/97
							Dilution Factor	5	5	5	5	1		1	1
8270	100	5 0	83-32-9	T		ppb	Acenaphthene	<	<	<	<	<		<	<
8270	100	5 0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<	<		<	<
8270	100	5 0	62-53-3	T		ppb	Aniline	<	<	<	<	<		<	<
8270	100	5 0	120-12-7	T		ppb	Anthracene	<	<	<	<	<		<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<	<		<	<
8270	100	5 0	56-55-3	T		ppb	Benzo (a) anthracene	<	<	<	<	<		<	<
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<	<		<	<
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<	<		<	<
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<	<		<	<
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<	<		<	<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<	<		<	<
8270	100	5 0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<	<		<	<
8270	100	5 0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<	<		<	<
8270	100	5 0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<	<		<	<
8270	100	3 0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<	<		<	<
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<	<		<	<
8270	100	5 0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<	<		<	<
8270	100	5 0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<	<		<	<
8270	100	5 0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<	<		<	<
8270	100	5 0	59-50-7	T		ppb	4-Chloro-3-methylphenol	19,000	<	<	<	<		<	<
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<	<		<	<
8270	100	5 0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<	<	<	<		<	<
8270	100	5.0	218-0109	T		ppb	Chrysene	<	<	<	<	<		<	<
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<	<		<	<
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<	<		<	<
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5 0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<	<	<	<		<	<
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<	<	<	<		<	<
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<	<	<	<		<	<
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<	<	<	<		<	<
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<	<	<	<		<	<
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<	<	<	<		<	<
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<	<	<	<		<	<

BOE-C6-0084546

8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene	<	<	<	<	<		<	<
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	206-44-0	T		ppb	Fluoranthene	<	<	<	<	<		<	<
8270	100	5.0	86-73-7	T		ppb	Fluorene	<	<	<	<	<		<	<
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<		<	<
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene	<	<	<	<	<		<	<
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane	<	<	<	<	<		<	<
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene	<	<	<	<	<		<	<
8270	100	5.0	78-59-1	T		ppb	Isophorone	<	<	<	<	<		<	<
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene	<	1,300	<	<	<		<	<
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol	<	<	<	<	<		<	<
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol	<	<	<	<	<		<	<
8270	100	5.0	91-20-3	T		ppb	Naphthalene	<	<	<	<	<		<	<
8270	250	50	88-74-4	T		ppb	2-Nitroaniline	<	<	<	<	<		<	<
8270	250	50	99-09-2	T		ppb	3-Nitroaniline	<	<	<	<	<		<	<
8270	250	50	100-01-6	T		ppb	4-Nitroaniline	<	<	<	<	<		<	<
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene	<	<	<	<	<		<	<
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol	<	<	<	<	<		<	<
8270	100	50	100-02-7	T		ppb	4-Nitrophenol	<	<	<	<	<		<	<
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine	<	<	<	<	<		<	<
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine	<	<	<	<	<		<	<
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<	<	<	<		<	<
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<	<	<	<		<	<
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<	<	<	<	<		<	<
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<	<		<	<
8270	100	5.0	129-00-0	T		ppb	Pyrene	<	<	<	<	<		<	<
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<	<		<	<
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<	<		<	<
							Tested					10/29/97	10/24/97	10/27/97	10/27/97
							Dilution Factor					1	1	1	1
8080	20	5.0	12674-11-2	T		ppb	PCB-1016					<	<	<	<
8080	20	5.0	11104-28-2	T		ppb	PCB-1221					<	<	<	<
8080	20	5.0	11141-16-5	T		ppb	PCB-1232					<	<	<	<
8080	20	5.0	53469-21-9	T		ppb	PCB-1242					<	<	<	<
8080	20	5.0	12672-29-6	T		ppb	PCB-1248					<	<	<	<
8080	20	5.0	11097-69-1	T		ppb	PCB-1254					<	<	<	<
8080	20	5.0	11096-82-5	T		ppb	PCB-1260					<	<	<	<
							Tested							10/28/97	10/28/97
							Dilution Factor							1	1
8080	1.0	0.1	309-00-2	T		ppb	Aldrin							<	<
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC							<	<
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC							<	<
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC							<	<
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)							<	<
8080	10	0.2	57-74-9	T		ppb	Chlordane							<	<
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD							<	<
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE							<	<

BOE-C6-0084547

8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT							<	<
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin							<	<
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I							<	<
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II							<	<
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate							<	<
8080	2.0	0.02	72-20-8	T		ppb	Endrin							<	<
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde							<	<
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor							<	<
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide							<	<
8080	30	9.0	72-43-5	T		ppb	Methoxychlor							<	<
8080	35	0.5	8001-35-2	T		ppb	Toxaphene							<	<
							Tested								
8015m				T		ppm	Up to & Including C-12								
8015m				T		ppm	C13-22								
8015m				T		ppm	C23 & Higher								
							Tested								
8015m	8.0	0.5		T		ppm	Diesel								
							Tested								
8015m	5.0	0.05		T		ppm	Gas								
							Tested								
9060	5.0	1.0		T		ppm	TOC								
							Tested								
9081	1.0	1.0		T		ppm	Cation Exchange Capacity								

* Units in ng for Method 8270

BOE-C6-0084548

	QC(S)								QC(W)							
W BT11 TRIP BLANK 10/23/97 . N, H Y 10/23/97 15 10 W																
97100353	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
	10/24/97								10/27/97							
	97100341	0 0	100	107	101	107	101	6	OCA 100	0 0	2 5	2 4	2 5	96	100	4
	10/27/97								10/27/97							
	97100347	0 0	30 0	27 0	26 0	90	87	4	97100302	0.00	3 00	2 80	2 70	93	90	4
	97100347	0 0	10 0	9 7	9 8	97	98	1	97100302	0 00	1 00	1 00	1 20	100	120	18
	97100347	14 0	10 0	26 0	26.0	120	120	0	97100302	0.160	1.100	1 350	1 360	108	109	1
	97100347	0.00	1 00	0 89	0.90	89	90	1	97100302	0.00	0.100	0 10	0 10	97	97	0
	97100347	0 00	1 00	1 00	0.99	100	99	1	97100302	0.00	0.100	0 10	0.10	100	100	0
	10/24/97								10/24/97							
	97100348	0 00	1 00	0 90	0 88	90	88	2	97100342	0.00	0 50	0 53	0 51	106	102	4
	10/27/97								10/27/97							
	97100347	0 56	5 00	5 80	5 70	105	103	2	97100302	0.00	0.100	0 10	0.08	95	83	13
	97100347	0.11	1 00	1 10	1 10	99	99	0	97100302	0.00	0 100	0 10	0 10	100	100	0
	97100347	0.35	1 00	1 30	1 20	95	85	8	97100302	0.000	0.100	0.110	0.110	110	110	0
	97100347	0 23	10 0	10 00	9 90	98	97	1	97100302	0 00	1.00	1 00	1 00	100	100	0
	10/28/97								10/28/97							
	97100348	0.000	0 020	0 019	0.018	95	90	5	OCA 100	0.000	0 020	0 017	0 018	85	90	6
	10/27/97								10/27/97							
	97100347	0.0	10 0	10 2	10 5	102	105	3	97100302	0.00	1.00	1 10	1 10	110	110	0
	97100347	0 41	5 00	5.30	4.90	98	90	8	97100302	0 00	0.50	0.48	0 52	96	104	8
	97100347	0 0	10 0	9 6	9 4	96	94	2	97100302	0 00	1.00	0.90	1 00	90	100	11
	97100347	0.0	5 0	4 0	4.0	80	80	0	97100302	0.00	0.50	0.40	0.40	80	80	0
	97100347	0 0	30 0	27 0	26.0	90	87	4	97100302	0 00	3.00	2 80	2.90	93	97	4
	97100347	1.1	5.0	6.2	6.0	102	98	3	97100302	0.00	0.50	0.60	0.60	120	120	0
	97100347	2 0	5 0	6 7	6 5	94	90	3	97100302	0 000	0 100	0.100	0 100	100	100	0
10/28/97 1 < < <	10/28/97 OCA200	0.0	50	41	44	82	88	7	10/28/97 97100353	0.0	20	17	17	85	85	0

BOE-C6-0084549

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<	OCA200	0 0	50	46	49	92	98	6	97100353	0 0	20	18	18	90	90	0
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<	OCA200	0 0	50	46	46	92	92	0	97100353	0 0	20	17	18	85	90	6
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<	OCA200	0 0	50	36	41	72	82	13	97100353	0 0	20	16	16	80	80	0
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<	OCA200	0 0	50	50	51	100	102	2	97100353	0 0	20	20	19	100	95	5
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	10/28/97									10/25/97							
	OCA200	0 0	50	35	38	70	76	8	OCA100	0.0	50	40	41	80	82	2
	OCA200	0 0	100	60	67	60	67	11	OCA100	0 0	100	62	66	62	66	6
	OCA200	0.0	100	61	67	61	67	9	OCA100	0 0	100	69	69	69	69	0
	OCA200	0 0	50	33	36	66	72	9	OCA100	0.0	50	30	30	60	60	0

BOE-C6-0084551

	OCA200	0.0	50	33	37	66	74	11	OCA100	0.0	50	40	41	80	82	2
	OCA200	0.0	100	72	82	72	82	13	OCA100	0.0	100	71	74	71	74	4
	OCA200	0.0	100	57	62	57	62	8	OCA100	0.0	100	26	25	26	25	4
	OCA200	0.0	50	40	46	80	92	14	OCA100	0.0	50	41	41	82	82	0
	OCA200	0.0	50	31	36	62	72	15	OCA100	0.0	50	34	35	68	70	3
	10/29/97															
	97100363	0.0	250	57	68	23	27	18	OCA 100	0.0	20	16	16	80	80	0

BOE-C6-0084552

		0 0	50			0	0	#DIV/0!	OCA 100	0 0	1 0	0.97	0.87	97	87	11
		0 0	100			0	0	#DIV/0!		0 0	2 5			0	0	#DIV/0!
		0 0	250			0	0	#DIV/0!		0.0	0 250			0	0	#DIV/0!
		0 0				#DIV/0!	#DIV/0!	#DIV/0!		0 0				#DIV/0!	#DIV/0!	#DIV/0!
		0 0				#DIV/0!	#DIV/0!	#DIV/0!		0 0				#DIV/0!	#DIV/0!	#DIV/0!

BOE-C6-0084553

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

24 hr TAT on SP2A PCBs

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr TAT ON SOIL TRPH Standard TAT otherwise

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N Madison Ave	LOCATION: C-6 Facility.
Pasadena, CA 91101	ADDRESS: 19503 S Normandie Ave
	Los Angeles, CA
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IV/CW,

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C3-GS-1-5'	2	10/23/97	0755	Soil	2"x6" SS Sleeve	Ice	X	X	X	X					
B37C3-GS-2-5'	2	10/23/97	0840				X	X	X	X					
B37C3-GS-3-5'	2	10/23/97	0855				X	X	X	X					
B37C3-GS-4-5'	2	10/23/97	0905				X	X	X	X					
B61C1-SL-1	5	10/23/97	1045	Sludge	Glass Jar	None	X	X	X	X	X				
B44-RE1-SP2A	2	10/23/97	1140	Soil	2"x6" SS Sleeve	Ice					X				24 hr TAT
Equipment Blank	7	10/23/97	1445	Water	4 amber 1 poly 2 VOAs	None Mno3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	10/23/97	1500				X	X	X	X	X	X			
Trip Blank	2	10/23/97	-		2 VOAs	HCL			X						

Total No. of Samples: 9

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	10/23/97 1510		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	10/23/97 15:10

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible fo[illegible]osal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084554

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9744

Analytical Method: EPA 418.1, CCID

Date Sampled: 11/21/97
Date Received: 11/21/97
Date Reported: 11/25/97

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97110244	97110245	97110246	97110247	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER
							SAMP TYPE	S	S	S	S	QC(S)						
							RES CODE	PP01	PP01	PP01	PP01							
							SAMP ID	B37C3-GS-1A-5'	B37C3-GS-2A-5'	B37C3-GS-3A-5'	B37C3-GS-4A-5'							
							SAMP DATE	11/21/97	11/21/97	11/21/97	11/21/97							
							SAMP TIME	13:05	13:08	13:11	13:13							
							SAMP DEPTH	5'	5'	5'	5'							
							PRESERVED											
							ICED	Y	Y	Y	Y							
							RECEIVED	11/21/97	11/21/97	11/21/97	11/21/97							
							REC TIME	15:10	15:10	15:10	15:10							
							BASIS	W	W	W	W							
							Tested	11/24/97	11/24/97	11/24/97	11/24/97	11/24/97						
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	11,000	32,000	21,000	33,000	97110101	0.0	100	95	97	95	97
							Tested											
6010	5.0	0.5		T		ppm	Antimony											
6010	1.0	0.1		T		ppm	Arsenic											
6010	0.1	0.01		T		ppm	Barium											
6010	0.1	0.01		T		ppm	Beryllium											
6010	0.1	0.01		T		ppm	Cadmium											
							Tested											
7196	0.5	0.01		T		ppm	Chromium (VI)											
							Tested											
6010	0.1	0.01		T		ppm	Chromium Total											
6010	0.5	0.1		T		ppm	Cobalt											
6010	0.1	0.01		T		ppm	Copper											
6010	1.0	0.1		T		ppm	Lead											
							Tested											
7471	0.01	0.002		T		ppm	Mercury											
							Tested											
6010	0.5	0.1		T		ppm	Molybdenum											
6010	0.5	0.1		T		ppm	Nickel											
6010	1.0	0.1		T		ppm	Selenium											
6010	0.1	0.1		T		ppm	Silver											
6010	5.0	0.5		T		ppm	Thallium											
6010	0.5	0.1		T		ppm	Vanadium											
6010	0.1	0.01		T		ppm	Zinc											
							Tested											
STLC		5.0		S		ppm	Antimony											
		1.0		S		ppm	Arsenic											
		0.1		S		ppm	Barium											
		0.1		S		ppm	Beryllium											
		0.1		S		ppm	Cadmium											
		0.5		S		ppm	Chromium (VI)											
		0.1		S		ppm	Chromium Total											
		0.5		S		ppm	Cobalt											
		0.1		S		ppm	Copper											
		1.0		S		ppm	Lead											
		0.01		S		ppm	Mercury											

BOE-C6-0084556

		0.5		S	ppm	Molybdenum
		0.5		S	ppm	Nickel
		1.0		S	ppm	Selenium
		0.1		S	ppm	Silver
		5.0		S	ppm	Thallium
		0.5		S	ppm	Vanadium
		0.1		S	ppm	Zinc
						Tested
TCLP		5.0		C	ppm	Antimony
		1.0		C	ppm	Arsenic
		0.1		C	ppm	Barium
		0.1		C	ppm	Beryllium
		0.1		C	ppm	Cadmium
		0.5		C	ppm	Chromium (VI)
		0.1		C	ppm	Chromium Total
		0.5		C	ppm	Cobalt
		0.1		C	ppm	Copper
		1.0		C	ppm	Lead
		0.01		C	ppm	Mercury
		0.5		C	ppm	Molybdenum
		0.5		C	ppm	Nickel
		1.0		C	ppm	Selenium
		0.1		C	ppm	Silver
		5.0		C	ppm	Thallium
		0.5		C	ppm	Vanadium
		0.1		C	ppm	Zinc
						Tested
						Dilution Factor
8260	2.5	0.5	71-43-2	T	ppb	Benzene
8260	2.5	0.5	75-27-4	T	ppb	Bromodichloromethane
8260	2.5	0.5	75-25-2	T	ppb	Bromoform
8260	2.5	1.0	74-83-9	T	ppb	Bromomethane
8260	5.0	0.5	75-15-0	T	ppb	Carbon Disulfide
8260	2.5	0.5	56-23-5	T	ppb	Carbon tetrachloride
8260	2.5	0.5	108-90-7	T	ppb	Chlorobenzene
8260	2.5	0.5	124-48-1	T	ppb	Chlorodibromomethane
8260	2.5	0.5	75-00-3	T	ppb	Chloroethane
8260	5.0	0.5	110-75-8	T	ppb	2-Chloroethyl vinyl ether
8260	2.5	0.5	67-66-3	T	ppb	Chloroform
8260	2.5	0.5	74-87-3	T	ppb	Chloromethane
8260	2.5	0.5	75-34-3	T	ppb	1,1-Dichloroethane
8260	2.5	0.5	107-06-2	T	ppb	1,2-Dichloroethane
8260	2.5	0.5	75-35-4	T	ppb	1,1-Dichloroethene
8260	2.5	0.5	156-60-5	T	ppb	Trans 1,2-Dichloroethene
8260	2.5	0.5	78-87-5	T	ppb	1,2-Dichloropropane
8260	2.5	0.5	10061-01-5	T	ppb	cis-1,3-Dichloropropene
8260	2.5	0.5	10061-02-6	T	ppb	trans-1,3-Dichloropropene
8260	2.5	0.5	100-41-4	T	ppb	Ethylbenzene
8260	5.0	2.5	75-09-2	T	ppb	Methylene chloride
8260	2.5	0.5	100-42-5	T	ppb	Styrene
8260	2.5	0.5	79-34-5	T	ppb	1,1,2,2-Tetrachloroethane
8260	2.5	0.5	127-18-4	T	ppb	Tetrachloroethene

BOE-C6-0084557

8260	2.5	0.5	108-88-3	T			ppb	Toluene
8260	2.5	0.5	71-55-6	T			ppb	1,1,1-Trichloroethane
8260	2.5	0.5	79-00-5	T			ppb	1,1,2-Trichloroethane
8260	2.5	0.5	79-01-6	T			ppb	Trichloroethene
8260	5.0	0.5	75-69-4	T			ppb	Trichlorofluoromethane
8260	5.0	1.0	108-05-4	T			ppb	Vinyl acetate
8260	2.5	0.5	75-01-4	T			ppb	Vinyl chloride
8260	2.5	1.0	1330-20-7	T			ppb	Total Xylenes
8260	2.5	0.5	75-71-8	T			ppb	Dichlorodifluoromethane
8260	2.5	0.5	156-59-2	T			ppb	cis-1-2,-Dichloroethene
8260	2.5	0.5	594-20-7	T			ppb	2,2-Dichloropropane
8260	2.5	0.5	74-97-5	T			ppb	Bromochloromethane
8260	2.5	0.5	563-58-6	T			ppb	1,1-Dichloropropene
8260	2.5	0.5	74-95-3	T			ppb	Dibromomethane
8260	2.5	0.5	106-93-4	T			ppb	1,2-Dibromoethane
8260	2.5	0.5	142-28-9	T			ppb	1,3-Dichloropropane
8260	2.5	0.5	98-82-8	T			ppb	Isopropylbenzene
8260	2.5	0.5	79-34-5	T			ppb	1,1,2,2-Tetrachloroethane
8260	2.5	0.5	96-18-4	T			ppb	1,2,3-Trichloropropane
8260	2.5	0.5	108-86-1	T			ppb	Bromobenzene
8260	2.5	0.5	103-65-1	T			ppb	n-Propylbenzene
8260	2.5	0.5	95-49-8	T			ppb	2-Chlorotoluene
8260	2.5	0.5	108-67-8	T			ppb	1,3,5-Trimethylbenzene
8260	2.5	0.5	106-43-4	T			ppb	4-Chlorotoluene
8260	2.5	0.5	98-06-6	T			ppb	tert-Butylbenzene
8260	2.5	0.5	95-63-6	T			ppb	1,2,4-Trimethylbenzene
8260	2.5	0.5	135-98-8	T			ppb	sec-Butylbenzene
8260	2.5	0.5	99-87-6	T			ppb	4-Isopropyltoluene
8260	2.5	0.5	541-73-1	T			ppb	1,3-Dichlorobenzene
8260	2.5	0.5	106-46-7	T			ppb	1,4-Dichlorobenzene
8260	2.5	0.5	104-51-8	T			ppb	n-Butylbenzene
8260	2.5	0.5	95-50-1	T			ppb	1,2-Dichlorobenzene
8260	5.0	1.0	96-12-8	T			ppb	1,2-Dibromo-3-CPA
8260	2.5	0.5	120-82-1	T			ppb	1,2,4-Trichlorobenzene
8260	2.5	0.5	87-68-3	T			ppb	Hexachlorobutadiene
8260	2.5	0.5	91-20-3	T			ppb	Naphthalene
8260	2.5	0.5	87-61-6	T			ppb	1,2,3-Trichlorobenzene
					T		%	Dibromofluoromethane
					T		%	Toluene-d8
					T		%	4-Bromofluorobenzene
								Tested
								Dilution Factor
8270	100	5.0	83-32-9	T			ppb	Acenaphthene
8270	100	5.0	208-96-8	T			ppb	Acenaphthylene
8270	100	5.0	62-53-3	T			ppb	Aniline
8270	100	5.0	120-12-7	T			ppb	Anthracene
8270	500	50	65-85-0	T			ppb	Benzoic Acid
8270	100	5.0	56-55-3	T			ppb	Benzo (a) anthracene
8270	250	25	205-99-2	T			ppb	Benzo (b) fluoranthene
8270	250	25	207-08-9	T			ppb	Benzo (k) fluoranthene
8270	250	25	191-24-2	T			ppb	Benzo (g,h,i)perylene
8270	250	25	50-32-8	T			ppb	Benzo (a) pyrene
8270	100	50	100-51-6	T			ppb	Benzyl alcohol

BOE-C6-0084558

8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter
8270	100	5.0	218-0109	T		ppb	Chrysene
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate
8270	100	5.0	206-44-0	T		ppb	Fluoranthene
8270	100	5.0	86-73-7	T		ppb	Fluorene
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene
8270	100	5.0	78-59-1	T		ppb	Isophorone
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol
8270	100	5.0	91-20-3	T		ppb	Naphthalene
8270	250	50	88-74-4	T		ppb	2-Nitroaniline
8270	250	50	99-09-2	T		ppb	3-Nitroaniline
8270	250	50	100-01-6	T		ppb	4-Nitroaniline
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol
8270	100	50	100-02-7	T		ppb	4-Nitrophenol
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine
8270	250	50	87-86-5	T		ppb	Pentachlorophenol
8270	100	5.0	85-01-8	T		ppb	Phenanthrene
8270	100	5.0	108-95-2	T		ppb	Phenol
8270	100	5.0	129-00-0	T		ppb	Pyrene
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol

BOE-C6-0084559

8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol												
							Tested												
							Dilution Factor												
8080	20	5.0	12674-11-2	T		ppb	PCB-1016												
8080	20	5.0	11104-28-2	T		ppb	PCB-1221												
8080	20	5.0	11141-16-5	T		ppb	PCB-1232												
8080	20	5.0	53469-21-9	T		ppb	PCB-1242												
8080	20	5.0	12672-29-6	T		ppb	PCB-1248												
8080	20	5.0	11097-69-1	T		ppb	PCB-1254												
8080	20	5.0	11096-82-5	T		ppb	PCB-1260												
							Tested												
							Dilution Factor												
8080	1.0	0.1	309-00-2	T		ppb	Aldrin												
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC												
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC												
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC												
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)												
8080	10	0.2	57-74-9	T		ppb	Chlordane												
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD												
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE												
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT												
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin												
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I												
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II												
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate												
8080	2.0	0.02	72-20-8	T		ppb	Endrin												
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde												
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor												
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide												
8080	30	9.0	72-43-5	T		ppb	Methoxychlor												
8080	35	0.5	8001-35-2	T		ppb	Toxaphene												
							Tested	11/24/97	11/24/97	11/24/97	11/24/97								
8015m				T		ppm	Up to & Including C-12	17	100	29	55								
8015m				T		ppm	C13-22	2,500	5,000	2,400	4,200								
8015m				T		ppm	C23 & Higher	5,400	8,100	4,500	12,000								
8015m	8.0	0.5		T		ppm	Total	7,900	13,000	6,900	16,000								
							Tested					11/24/97							
8015m	8.0	0.5		T		ppm	Diesel					OCA200	0.0	100	102	82	102	82	
							Tested												
8015m	5.0	0.05		T		ppm	Gas												
							Tested												
9060	5.0	1.0		T		ppm	TOC												
							Tested												
9081	1.0	1.0		T		ppm	Cation Exchange Capacity												

(a) QC units for Method 8270 are reported in ng.

BOE-C6-0084560

	QC(W)							
RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD
2								

BOE-C6-0084561

MVI 9744

22								

BOE-C6-0084565

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24hr TAT on TRPH. 24hr TAT on Carbon Chain if Analyzed

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N Madison Ave	LOCATION: C-6 Facility
Pasadena, CA 91101	ADDRESS: 19503 S. Normandie Ave
	Los Angeles, CA 90501
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IV/CW/AN.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C3-GS-1A-5'	1	11/21/97	1305	Soil	2"x2" SS Sleeve	Ice	X								Run Carbon Chain if TRPH ≥ 10,000
B37C3-GS-2A-5'	1		1308				X								
B37C3-GS-3A-5'	1		1311				X								
B37C3-GS-4A-5'	1		1313				X								
															5 day TAT
															5 day TAT

Total No. of Samples: 4

Method of Shipment: Orange Coast Courier. (1 cooler)

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
Ivan Vargas	11/21/97 1510			NORMAL _____ S.D. HMMD _____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB _____ OTHER _____
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: 11/21/97 15:10	Sample Integrity: (check) intact _____ on ice _____

All samples remain the property of the client who is responsible f[illegible]osal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084566

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/15/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090194	WL-GS-7-4'	1,400
97090195	WL-GS-8-4'	4,700
97090196	WL-GS-9-4'	6,600
97090197	WL-GS-10-4'	7,900
97090198	OA2-GS-1-1'	1,100
Detection Limit:		8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Recevied: 09/12/97
Analyzed: 09/16/97
Reported: 09/24/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/kg)*
97090194	WL-GS-7-4'	450
97090195	WL-GS-8-4'	5100
97090196	WL-GS-9-4'	N.D.
97090197	WL-GS-10-4'	N.D.

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/22/97
Reported: 09/25/97

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (mg/kg) (ppm)*
97090194	WL-GS-7-4'	9.6
97090195	WL-GS-8-4'	N.D.
97090196	WL-GS-9-4'	43
97090197	WL-GS-10-4'	N.D.

Detection Limit:	5.0

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard.
Hydrocarbons detected by this method range from C6 to C14.
Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, WL-GS-9-4'
Laboratory Sample #: 97090196
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Recevied: 09/12/97
Analyzed: 09/16/97
Reported: 09/25/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	8.4
C 13-22	1,100
C 23 & Higher	2,600
Total	3,700

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, WL-GS-10-4'
Laboratory Sample #: 97090197
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Recevied: 09/12/97
Analyzed: 09/16/97
Reported: 09/25/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	N.D.
C 13-22	130
C 23 & Higher	320
Total	450

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-9-4'

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 9/15-18-22/1997
Reported: 09/24/97

Laboratory Sample Number: 97090196
Laboratory Reference #: MWI 9543

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	13	<---
Barium	6010	100	10000	0.1	89	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	22	<---
Cobalt	6010	80	8000	0.5	7.5	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	25	<---
Zinc	6010	250	5000	0.1	52	<---

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-10-4'

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 9/15-18-22/1997
Reported: 09/24/97

Laboratory Sample Number: 97090197
Laboratory Reference #: MWI 9543

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	5.4	<---
Barium	6010	100	10000	0.1	41	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	12	<---
Cobalt	6010	80	8000	0.5	3.0	<---
Copper	6010	25	2500	0.1	5.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	5.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	14	<---
Zinc	6010	250	5000	0.1	23	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-9-4'
Laboratory Sample Number: 97090196
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/16/97
Reported: 09/26/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	3.9	<—
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	31	<—
Toluene	108-88-3	2.5	3.2	<—
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, WL-GS-9-4'
Laboratory Sample #: 97090196

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	4.1	<---
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	8.1	<---
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	26	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	4.1	<---
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	98
Toluene-d8	91
4-Bromofluorobenzene	89

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-10-4'
Laboratory Sample Number: 97090197
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/16/97
Reported: 09/26/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	52	<---
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, WL-GS-10-4'
Laboratory Sample #: 97090197

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	6.3	<---
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	19	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	2.5	<---
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	N.D.	
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	102
Toluene-d8	90
4-Bromofluorobenzene	81

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-9-4'
Laboratory Sample Number: 97090196
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/18/97
Reported: 09/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	400	N.D.
Acenaphthylene	208-96-8	400	N.D.
Aniline	62-53-3	400	N.D.
Anthracene	120-12-7	400	N.D.
Benzoic Acid	65-85-0	2000	N.D.
Benzo (a) anthracene	56-55-3	400	N.D.
Benzo (b) fluoranthene	205-99-2	1000	N.D.
Benzo (k) fluoranthene	207-08-9	1000	N.D.
Benzo (g,h,i)perylene	191-24-2	1000	N.D.
Benzo (a) pyrene	50-32-8	1000	N.D.
Benzyl alcohol	100-51-6	400	N.D.
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.
Bis(2-chloroethyl)ether	111-44-4	400	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	400	42,000 <---
4-Bromophenyl phenyl ether	101-55-3	400	N.D.
Butyl benzyl phthalate	85-68-7	400	N.D.
4-Chloroaniline	106-47-8	400	N.D.
2-Chloronaphthalene	91-58-7	400	N.D.
4-Chloro-3-methylphenol	59-50-7	400	N.D.
2-Chlorophenol	95-57-8	400	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.
Chrysene	218-0109	400	N.D.
Dibenz(a,h)anthracene	53-70-3	400	N.D.
Dibenzofuran	132-64-9	400	N.D.
Di-N-butyl phthalate	84-74-2	1000	N.D.
1,3-Dichlorobenzene	541-73-1	400	N.D.
1,4-Dichlorobenzene	106-46-7	400	N.D.
1,2-Dichlorobenzene	95-50-1	400	N.D.
3,3-Dichlorobenzidine	91-94-1	400	N.D.
2,4-Dichlorophenol	120-83-2	400	N.D.
Diethyl phthalate	84-66-2	400	N.D.
2,4-Dimethylphenol	105-67-9	400	N.D.
Dimethyl phthalate	131-11-3	400	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.
2,4-Dinitrophenol	51-28-5	400	N.D.
2,4-Dinitrotoluene	121-14-2	1000	N.D.
2,6-Dinitrotoluene	606-20-2	1000	N.D.
Di-N-octyl phthalate	117-84-0	1000	N.D.

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

Sample Description: Soil, WL-GS-9-4'
Laboratory Sample #: 97090196

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	400	N.D.
Fluorene	86-73-7	400	N.D.
Hexachlorobenzene	118-74-1	400	N.D.
Hexachlorobutadiene	87-68-3	400	N.D.
Hexachlorocyclopentadiene	77-47-4	400	N.D.
Hexachloroethane	67-72-1	400	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	1000	N.D.
Isophorone	78-59-1	400	N.D.
2-Methylnaphthalene	91-57-6	400	N.D.
2-Methylphenol	95-48-7	400	N.D.
4-Methylphenol	106-44-5	400	N.D.
Naphthalene	91-20-3	400	N.D.
2-Nitroaniline	88-74-4	1000	N.D.
3-Nitroaniline	99-09-2	1000	N.D.
4-Nitroaniline	100-01-6	1000	N.D.
Nitrobenzene	98-95-3	400	N.D.
2-Nitrophenol	88-75-5	400	N.D.
4-Nitrophenol	100-02-7	400	N.D.
N-Nitrosodiphenylamine	86-30-6	400	N.D.
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.
N-Nitrosodimethylamine	62-75-9	400	N.D.
Pentachlorophenol	87-86-5	1000	N.D.
Phenanthrene	85-01-8	400	N.D.
Phenol	108-95-2	400	N.D.
Pyrene	129-00-0	400	N.D.
1,2,4-Trichlorobenzene	120-82-1	400	N.D.
2,4,5-Trichlorophenol	95-95-4	400	N.D.
2,4,6-Trichlorophenol	88-06-2	400	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-10-4'
Laboratory Sample Number: 97090197
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/17/97
Reported: 09/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	2,300 <---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, WL-GS-10-4'
Laboratory Sample #: 97090197

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-9-4'

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/17/97
Reported: 09/25/97

Laboratory Sample Number: 97090196
Laboratory Reference #: MWI 9543

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, WL-GS-10-4'

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/17/97
Reported: 09/25/97

Laboratory Sample Number: 97090197
Laboratory Reference #: MWI 9543

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9543

Sampled: 09/12/07
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97090199	Equip Blank	N.D.
97090200	Rinsate Blank	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Recevied: 09/12/97
Analyzed: 09/22/97
Reported: 09/25/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (ug/l) (ppb)*
97090199	Equip Blank	N.D.
97090200	Rinsate Blank	N.D.

Detection Limit:	50

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard.
Hydrocarbons detected by this method range from C6 to C14.
Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: EPA 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Recevied: 09/12/97
Analyzed: 09/17/97
Reported: 09/25/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97090199	Equip Blank	N.D.
97090200	Rinsate Blank	N.D.

Detection Limit:	0.5

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 9/15-18/1997
Reported: 09/25/97

Laboratory Sample Number: 97090199
Laboratory Reference #: MWI 9543

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 9/15-18/1997
Reported: 09/25/97

Laboratory Sample Number: 97090200
Laboratory Reference #: MWI 9543

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
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250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090199
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090199

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	90
Toluene-d8	96
4-Bromofluorobenzene	92

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090200
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090200

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	90
Toluene-d8	97
4-Bromofluorobenzene	90

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97090201
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97090201

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	91
Toluene-d8	98
4-Bromofluorobenzene	92

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090199
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/18/97
Reported: 09/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090199

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090200
Laboratory Reference #: MWI 9543

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/18/97
Reported: 09/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090200

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

Laboratory Sample Number: 97090199
Laboratory Reference #: MWI 9543

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/15/97
Reported: 09/25/97

Laboratory Sample Number: 97090200
Laboratory Reference #: MWI 9543

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/18/97
Reported: 09/25/97

Laboratory Sample Number: 97090199
Laboratory Reference #: MWI 9543

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 09/12/97
Received: 09/12/97
Analyzed: 09/18/97
Reported: 09/25/97

Laboratory Sample Number: 97090200
Laboratory Reference #: MWI 9543

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/15/97
Laboratory Sample No : 97090092
Laboratory Reference No : MWI 9543

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	104	101	104	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.4	2.4	96	96	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 09/16/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	90	77	90	77	16

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 09/17/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	5.0	4.3	4.8	86	96	11

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 09/17/97
Laboratory Sample No : 97080495
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	140	150	56	60	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 09/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	6.8	6.4	34	32	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 09/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.76	0.67	76	67	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis :09/15/97- 09/18/97-09/22/97
Laboratory Sample No : 97090177-97090198-97090265
Laboratory Reference No : MWI 9543

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.2	30.6	97	102	5
Arsenic	0.46	10.0	11.3	10.4	108	99	8
Barium	3.70	10.0	14.7	14.0	110	103	5
Beryllium	0.00	1.00	1.10	1.10	110	110	0
Cadmium	0.00	1.00	1.10	1.10	110	110	0
Chromium (Total)	0.95	5.00	6.30	6.20	107	105	2
Chromium (VI)	0.00	1.00	0.93	0.90	93	90	3
Cobalt	0.30	1.00	1.40	1.30	110	100	7
Copper	0.51	1.00	1.70	1.50	119	99	13
Lead	0.00	10.0	10.6	9.5	106	95	11
Mercury	0.000	0.020	0.019	0.019	95	95	0
Molybdenum	0.0	10.0	11.0	10.2	110	102	8
Nickel	1.4	5.0	6.6	6.3	104	98	5
Selenium	0.0	10.0	11.6	11.8	116	118	2
Silver	0.0	5.0	4.2	4.1	84	82	2
Thallium	0.0	30.0	27.2	27.7	91	92	2
Vanadium	1.5	5.0	6.7	6.1	104	92	9
Zinc	1.8	5.0	7.2	7.7	108	118	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/15/97-09/18/97
Laboratory Sample No :97090200-97090269
Laboratory Reference No : MWI 9543

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.00	3.00	100	100	0
Arsenic	0.00	1.00	0.91	0.89	91	89	2
Barium	0.00	1.00	1.10	1.10	110	110	0
Beryllium	0.00	0.100	0.095	0.096	95	96	1
Cadmium	0.00	0.100	0.100	0.100	100	100	0
Chromium (VI)	0.00	0.50	0.48	0.50	96	100	4
Chromium (Total)	0.00	1.00	0.670	0.670	67	67	0
Cobalt	0.00	0.100	0.120	0.110	120	110	9
Copper	0.000	0.100	0.100	0.093	100	93	7
Lead	0.00	1.00	1.10	1.10	110	110	0
Mercury	0.000	0.020	0.019	0.019	95	95	0
Molybdenum	0.00	1.00	0.96	0.97	96	97	1
Nickel	0.00	0.50	0.51	0.52	102	104	2
Selenium	0.00	1.00	0.90	1.10	90	110	20
Silver	0.00	0.50	0.49	0.48	98	96	2
Thallium	0.00	3.00	2.80	3.00	93	100	7
Vanadium	0.00	0.50	0.49	0.51	98	102	4
Zinc	0.00	1.00	0.66	0.67	66	67	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/17/97
Laboratory Sample No : 97090125
Laboratory Reference No : MWI 9543

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	44	41	88	82	7
n-Nitroso-di-n-propylamine	0.0	50	47	44	94	88	7
1,2,4-Trichlorobenzene	0.0	50	46	45	92	90	2
Acenaphthene	0.0	50	49	47	98	94	4
Pyrene	0.0	50	54	50	99	100	8
Pentachlorophenol	0.0	100	56	60	56	60	7
4-Chloro-3-Methylphenol	0.0	100	73	75	73	75	3
2-Chlorophenol	0.0	100	84	80	84	80	5
Phenol	0.0	100	75	73	75	73	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/18/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9543

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	41	44	82	88	7
n-Nitroso-di-n-propylamine	0.0	50	55	53	110	106	4
1,2,4-Trichlorobenzene	0.0	50	44	47	88	94	7
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	46	48	99	96	4
Pentachlorophenol	0.0	100	76	70	76	70	8
4-Chloro-3-Methylphenol	0.0	100	91	86	91	86	6
2-Chlorophenol	0.0	100	73	77	73	77	5
Phenol	0.0	100	66	68	66	68	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 09/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	35	70	70	0
n-Nitroso-di-n-propylamine	0.0	50	51	53	102	106	4
1,2,4-Trichlorobenzene	0.0	50	37	39	74	78	5
Acenaphthene	0.0	50	44	46	88	92	4
Pyrene	0.0	50	45	47	99	94	4
Pentachlorophenol	0.0	100	77	86	77	86	11
4-Chloro-3-Methylphenol	0.0	100	73	89	73	89	20
2-Chlorophenol	0.0	100	74	80	74	80	8
Phenol	0.0	100	29	33	29	33	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 09/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	500	487	482	97	96	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 09/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9543

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	51	108	102	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 09/15/97
Laboratory Sample No : 97090157
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	16	16	80	80	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	17	18	85	90	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 09/17/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9543

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	46	96	92	4
1,1-Dichloroethene	0.0	50	54	50	108	100	8
Trichloroethene	0.0	50	51	48	102	96	6
Toluene	0.0	50	49	46	98	92	6
Chlorobenzene	0.0	50	48	46	96	92	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on Soil TRPH only, Standard TAT otherwise

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101
PHONE: 626.568.6582 FAX: 626.796.5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
SAMPLED BY: IV/AWN/CN

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	VOCs 8260	SVOCs 8270	Title 22 Metals	Carbon Chain	PCBs 8080	8015 gas	8015 diesel	Pesticides 8080	REMARKS/PRECAUTIONS
WL-GS-7-4'	2	09/12/97	0830	Soil	2"x6" ss sleeve	ICE	X	X	X	X	X	X	X	X		
WL-GS-8-4'	2	09/12/97	0910	↓	2"x6" ss sleeve	↓	X	X	X	X	X	X	X	X		
WL-GS-9-4'	2	09/12/97	0925	↓	2"x6" ss sleeve	↓	X	X	X	X	X	X	X	X		
WL-GS-10-4'	2	09/12/97	1000	↓	2"x6" ss sleeve	↓	X	X	X	X	X	X	X	X		
OA2-GS-1-1'	2	09/12/97	1410	Soil	2"x6" ss sleeve	↓	X	X	X	X						
Equipment Blank	9	09/12/97	1500	Water	6 amber 3 VOAs	HNO_3 HCl	X	X	X	X		X	X	X	X	
Rinsate Blank	9	09/12/97	1515	↓	↓	↓	X	X	X	X		X	X	X	X	
Trip Blank	2	09/12/97	–	↓	2 VOAs	HCl ↓		X								

Total No. of Samples: 8

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	9/12/97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	9/12/97 16:00

Reporting Format: (check)
NORMAL ____ S.D. HMMD ____
RWQCB ____ OTHER ____

Sample Integrity: (check)
__intact ____ ✓ on ice ____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084619

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9654

Analytical Method: EPA 418.1, 8260, 8270, 8080, Title 22 Metals

Date Sampled: 10/15/97
Date Received: 10/15/97
Date Reported: 10/28/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100249	97100250	97100251	97100252	97100253	LAB SAMP NO.	R1	T CONC	SL*	DL*	RECOVER
							SAMP TYPE	S	S	W	W	W	QC(S)					
							RES CODE	PP01	PP01	BF11	BR11	BT11						
							SAMP ID	B37CL-RE1-SP1	OA1-RE9-SP3	EQUIP BLANK	RINSATE BLANK	TRIP BLANK						
							SAMP DATE	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97						
							SAMP TIME	15:15	15:35	15:45	16:00							
							SAMP DEPTH											
							PRESERVED			, N, H	, N, H	, N, H						
							ICED	Y	Y	Y	Y	Y						
							RECEIVED	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97						
							REC TIME	16:15	16:15	16:15	16:15	16:15						
							BASIS	W	W	W	W	W						
							Tested	10/16/97	10/16/97	10/20/97	10/20/97		10/16/97					
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	130	<	<	<		OCA200	0.0	100	95	95	95
							Tested	10/23/97	10/23/97	10/20/97	10/20/97		10/23/97					
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<		97100249	0.0	30.0	29.0	28.0	97
6010	1.0	0.1		T		ppm	Arsenic	11	9.8	<	<		97100249	1.1	10.0	10.0	9.6	89
6010	0.1	0.01		T		ppm	Barium	110	110	<	<		97100249	11.0	10.0	21.0	21.0	100
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<		97100249	0.00	1.00	0.97	0.96	97
6010	0.1	0.01		T		ppm	Cadmium	<	<	<	<		97100249	0.00	1.00	0.96	0.94	96
							Tested	10/16/97	10/16/97	10/16/97	10/16/97		10/16/97					
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<		97100250	0.00	1.00	1.00	1.00	100
							Tested	10/23/97	10/23/97	10/20/97	10/20/97		10/23/97					
6010	0.1	0.01		T		ppm	Chromium Total	30	38	<	<		97100249	3.00	5.00	7.70	7.30	94
6010	0.5	0.1		T		ppm	Cobalt	10	10	<	<		97100249	1.00	1.00	1.90	1.90	90
6010	0.1	0.01		T		ppm	Copper	15	21	<	<		97100249	1.50	1.00	2.50	2.50	100
6010	1.0	0.1		T		ppm	Lead	<	<	<	<		97100249	0.00	10.0	10.00	11.00	100
							Tested	10/21/97	10/21/97	10/21/97	10/21/97		10/21/97					
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<		97100299	0.000	0.020	0.024	0.024	120
							Tested	10/23/97	10/23/97	10/20/97	10/20/97		10/23/97					
6010	0.5	0.1		T		ppm	Molybdenum	2.2	<	<	<		97100249	0.22	10.0	10.0	10.0	98
6010	0.5	0.1		T		ppm	Nickel	14	17	<	<		97100249	1.40	5.00	6.10	5.70	94
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<		97100249	0.0	10.0	10.0	8.7	100
6010	0.1	0.1		T		ppm	Silver	<	<	<	<		97100249	0.0	5.0	5.3	4.5	106
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<		97100249	0.0	30.0	26.0	23.0	87
6010	0.5	0.1		T		ppm	Vanadium	30	36	<	<		97100249	3.0	5.0	8.1	7.8	102
6010	0.1	0.01		T		ppm	Zinc	62	69	<	<		97100249	6.2	5.0	12.0	11.0	116
							Tested	10/23/97	10/24/97	10/23/97	10/23/97	10/24/97	10/23/97					
							Dilution Factor	1	1	1	1	1	1					
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	97100328	0.0	50	43	40	86

BOE-C6-0084621

8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<							
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<							
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<							
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<							
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<							
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	97100328	0.0	50	46	43	92	
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<							
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<							
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<							
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<							
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<							
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<							
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<							
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	97100328	0.0	50	49	43	98	
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<							
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<							
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<							
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<							
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<							
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<							
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<							
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<							
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<	<							
8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<	<	<	<	97100328	0.0	50	36	41	72	
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<	<	<	<							
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<							
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<	<	<	<	97100328	0.0	50	52	48	104	
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<							
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<							
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<							
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<	<	<	<							
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<							
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<							
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<							
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<							
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<							
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<							
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<							
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<							
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<	<	<	<							
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<							
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<							
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<							
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<	<	<	<							
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<							
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<	<	<	<							

BOE-C6-0084622

8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<	<	<	<							
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	<	<	<	<	<							
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	<	<	<	<	<							
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<	<	<	<							
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	<	<	<	<	<							
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<							
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<							
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<							
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<							
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<							
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<							
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<							
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	<	<	<	<	<							
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<							
					T	%	Dibromofluoromethane	103	106	103	104	104							
					T	%	Toluene-d8	102	93	107	108	108							
					T	%	4-Bromofluorobenzene	98	93	104	104	105							
							Tested	10/17/97	10/17/97	10/17/97	10/17/97		10/17/97						
							Dilution Factor	1	1	1	1								
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<		OCA200	0.0	50	33	34	66	
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<								
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<								
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<								
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<								
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	<	<	<	<								
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<								
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<								
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<								
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<								
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<								
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<								
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<								
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<								
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	22	<								
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<								
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<								
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<								
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<								
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<	<	<		OCA200	0.0	100	60	56	60	
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<		OCA200	0.0	100	61	61	61	
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ether	<	<	<	<								
8270	100	5.0	218-0109	T		ppb	Chrysene	<	<	<	<								
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<								
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<								

BOE-C6-0084623

8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<	<	<							
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<							
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<		OCA200	0.0	50	32	33	64
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<							
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<	<	<							
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<	<	<							
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<	<	<							
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<	<	<							
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<	<	<							
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<	<	<							
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<	<	<							
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<	<	<							
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene	<	<	<	<							
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate	<	<	<	<							
8270	100	5.0	206-44-0	T		ppb	Fluoranthene	<	<	<	<							
8270	100	5.0	86-73-7	T		ppb	Fluorene	<	<	<	<							
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene	<	<	<	<							
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<							
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene	<	<	<	<							
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane	<	<	<	<							
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene	<	<	<	<							
8270	100	5.0	78-59-1	T		ppb	Isophorone	<	<	<	<							
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene	<	<	<	<							
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol	<	<	<	<							
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol	<	<	<	<							
8270	100	5.0	91-20-3	T		ppb	Naphthalene	<	<	<	<							
8270	250	50	88-74-4	T		ppb	2-Nitroaniline	<	<	<	<							
8270	250	50	99-09-2	T		ppb	3-Nitroaniline	<	<	<	<							
8270	250	50	100-01-6	T		ppb	4-Nitroaniline	<	<	<	<							
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene	<	<	<	<							
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol	<	<	<	<							
8270	100	50	100-02-7	T		ppb	4-Nitrophenol	<	<	<	<							
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine	<	<	<	<							
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine	<	<	<	<		OCA200	0.0	50	35	37	70
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<	<	<							
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<	<	<		OCA200	0.0	100	65	66	65
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<	<	<	<							
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<		OCA200	0.0	100	57	56	57
8270	100	5.0	129-00-0	T		ppb	Pyrene	<	<	<	<		OCA200	0.0	50	39	44	78
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<		OCA200	0.0	50	36	37	72
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<							
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<							
							Tested			10/21/97	10/21/97							
							Dilution Factor			1	1							
8080	20	5.0	12674-11-2	T		ppb	PCB-1016			<	<							

BOE-C6-0084624

8080	20	5.0	11104-28-2	T		ppb	PCB-1221			<	<								
8080	20	5.0	11141-16-5	T		ppb	PCB-1232			<	<								
8080	20	5.0	53469-21-9	T		ppb	PCB-1242			<	<								
8080	20	5.0	12672-29-6	T		ppb	PCB-1248			<	<								
8080	20	5.0	11097-69-1	T		ppb	PCB-1254			<	<								
8080	20	5.0	11096-82-5	T		ppb	PCB-1260			<	<								
							Tested			10/22/97	10/22/97								
							Dilution Factor			1	1								
8080	1.0	0.1	309-00-2	T		ppb	Aldrin			<	<								
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC			<	<								
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC			<	<								
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC			<	<								
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)			<	<								
8080	10	0.2	57-74-9	T		ppb	Chlordane			<	<								
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD			<	<								
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE			<	<								
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT			<	<								
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin			<	<								
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I			<	<								
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II			<	<								
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate			<	<								
8080	2.0	0.02	72-20-8	T		ppb	Endrin			<	<								
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde			<	<								
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor			<	<								
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide			<	<								
8080	30	9.0	72-43-5	T		ppb	Methoxychlor			<	<								
8080	35	0.5	8001-35-2	T		ppb	Toxaphene			<	<								

* Units in ng for Method 8270

BOE-C6-0084625

		QC(W)							
D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
95	0	10/20/97 OCA 100	0.0	2.5	2.5	2.4	100	96	4
93	4	10/20/97 97100289	0.00	3.00	3.10	3.20	103	107	3
85	4	97100289	0.00	1.00	1.00	1.20	100	120	18
100	0	97100289	0.00	1.00	1.10	1.20	110	120	9
96	1	97100289	0.00	0.100	0.10	0.11	100	110	10
94	2	97100289	0.00	0.100	0.11	0.11	110	110	0
100	0	10/16/97 97100251	0.00	0.50	0.49	0.50	98	100	2
86	5	10/20/97 97100289	0.00	0.100	0.080	0.090	80	90	12
90	0	97100289	0.00	0.100	0.120	0.120	120	120	0
100	0	97100289	0.00	0.100	0.091	0.097	91	97	6
110	10	97100289	0.00	1.00	1.00	1.10	100	110	10
120	0	10/21/97 97100252	0.000	0.020	0.020	0.021	100	105	5
98	0	10/20/97 97100289	0.00	1.00	1.00	1.10	100	110	10
86	7	97100289	0.00	0.50	0.50	0.50	100	100	0
87	14	97100289	0.00	1.00	1.20	1.20	120	120	0
90	16	97100289	0.00	0.50	0.46	0.48	92	96	4
77	12	97100289	0.00	3.00	3.40	3.50	113	117	3
96	4	97100289	0.00	0.50	0.52	0.54	104	108	4
96	9	97100289	0.000	0.100	0.110	0.120	110	120	9
80	7	10/23/97 97100253	0.0	20	19	19	95	95	0

BOE-C6-0084626

86	7	97100253	0.0	20	18	19	90	95	5
86	13	97100253	0.0	20	19	19	95	95	0
82	13	97100253	0.0	20	19	20	95	100	5
96	8	97100253	0.0	20	17	18	85	90	6

BOE-C6-0084627

		10/17/97							
68	3	OCA100	0.0	50	37	42	74	84	13
56	7	OCA100	0.0	100	56	64	56	64	13
61	0	OCA100	0.0	100	65	71	65	71	9

BOE-C6-0084628

66	3	OCA100	0 0	50	26	29	52	58	11
74	6	OCA100	0.0	50	33	38	66	76	14
66	2	OCA100	0.0	100	64	74	64	74	14
56	2	OCA100	0.0	100	21	26	21	26	21
88	12	OCA100	0.0	50	41	46	82	92	11
74	3	OCA100	0.0	50	27	30	54	60	11
		10/21/97							

BOE-C6-0084629

		OCA 100 10/22/97	0.0	20	12	12	60	60	0
		OCA 100	0.0	1.0	0.81	0.82	81	82	1

BOE-C6-0084630

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on Soil TRPH, Standard TAT Otherwise

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101
PHONE: (626) 568-6582 FAX: (626) 796-5941

PROJECT INFORMATION

PROJECT NAME: The Boeing Company
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
SAMPLED BY: IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37CL-RE1-SP1	2	10/15/97	1515	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					
OA1-RE9-SP3	2		1535	SOIL			X	X	X	X					
Equipment Blank	7		1545	WATER	4 amber 1 poly 2 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1600	WATER			X	X	X	X	X	X			
Trip Blank	2		—	WATER	2 VOAs	HCl			X						

Total No. of Samples: 5

Method of Shipment: 1 cooler via Orange Coast Carrier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	10/15/97 1615		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 10/15/97 16:15

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for d al. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084631

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9849

Analytical Method: EPA 8260, 8270, Title 22 Metals

Date Sampled: 12/31/97
Date Received: 12/31/97
Date Reported: 01/05/98

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97120582	97120583	97120584	97120585	97120586	97120587	97120588	97120589
							SAMP TYPE	S	S	S	S	S	S	S	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	BF11
							SAMP ID	B41-LTU1-COMP	B41-LTU1-GS-4	B41-LTU2-GS-1	PL-LTU1-GS-3	B37ST-GS-1	B41-LTU2-GS-2	B37CL-LTU1-GS-1	EQUIP BLANK
							SAMP DATE	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97
							SAMP TIME	08:10/08:30/10:25	8:45	9:10	9:25	10:20	11:10	10:45	11:00
							SAMP DEPTH		4'	1'	3'	1'	2'	1'	
							PRESERVED								, N, H
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97	12/31/97
							REC TIME	11:35	11:35	11:35	11:35	11:35	11:35	11:35	11:35
							BASIS	W	W	W	W	W	W	W	W
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<		<	<	<
6010	1.0	0.1		T		ppm	Arsenic	8.9	6.5	5.0	3.4		4.5	4.4	<
6010	0.1	0.01		T		ppm	Barium	78	81	78	100		82	100	<
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<		<	<	<
6010	0.1	0.01		T		ppm	Cadmium	1.1	0.83	0.87	1.1		1.1	1.1	<
							Tested	12/31/97	12/31/97	12/31/97	12/31/97		12/31/97	12/31/97	12/31/97
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.1	0.01		T		ppm	Chromium Total	12	12	13	15		19	14	<
6010	0.5	0.1		T		ppm	Cobalt	6.1	6.7	6.0	6.5		6.0	8.0	<
6010	0.1	0.01		T		ppm	Copper	14	15	13	15		22	16	<
6010	1.0	0.1		T		ppm	Lead	3.8	3.5	4.8	6.1		19	4.5	<
							Tested	12/31/97	12/31/97	12/31/97	12/31/97		12/31/97	12/31/97	12/31/97
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<		<	<	<
6010	0.5	0.1		T		ppm	Nickel	8.6	8.9	8.1	8.8		8.7	9.8	<
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<		<	<	<
6010	0.1	0.1		T		ppm	Silver	<	<	<	<		<	<	<
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<		<	<	<
6010	0.5	0.1		T		ppm	Vanadium	22	23	21	21		20	25	<
6010	0.1	0.01		T		ppm	Zinc	31	28	35	40		120	41	<
							Tested								
STLC		5.0		S		ppm	Antimony								
		1.0		S		ppm	Arsenic								
		0.1		S		ppm	Barium								
		0.1		S		ppm	Beryllium								
		0.1		S		ppm	Cadmium								
		0.5		S		ppm	Chromium (VI)								
		0.1		S		ppm	Chromium Total								
		0.5		S		ppm	Cobalt								
		0.1		S		ppm	Copper								
		1.0		S		ppm	Lead								
		0.01		S		ppm	Mercury								

BOE-C6-0084633

		0.5		S		ppm	Molybdenum								
		0.5		S		ppm	Nickel								
		1.0		S		ppm	Selenium								
		0.1		S		ppm	Silver								
		5.0		S		ppm	Thallium								
		0.5		S		ppm	Vanadium								
		0.1		S		ppm	Zinc								
							Tested								
TCLP		5.0		C		ppm	Antimony								
		1.0		C		ppm	Arsenic								
		0.1		C		ppm	Barium								
		0.1		C		ppm	Beryllium								
		0.1		C		ppm	Cadmium								
		0.5		C		ppm	*Chromium (VI)*								
		0.1		C		ppm	Chromium Total								
		0.5		C		ppm	Cobalt								
		0.1		C		ppm	Copper								
		1.0		C		ppm	Lead								
		0.01		C		ppm	Mercury								
		0.5		C		ppm	Molybdenum								
		0.5		C		ppm	Nickel								
		1.0		C		ppm	Selenium								
		0.1		C		ppm	Silver								
		5.0		C		ppm	Thallium								
		0.5		C		ppm	Vanadium								
		0.1		C		ppm	Zinc								
							Tested	01/02/98	01/02/98	01/02/98	01/02/98	01/02/98	01/02/98	01/05/98	01/05/98
							Dilution Factor	1	1	1	1	1	1	1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<	<	<	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<	<	<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<	<	<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<	<	<	<
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<	<	<	<	<

BOE-C6-0084634

8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<	<	<	<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<	<	<	<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<	<	<	<
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<	<	<	<
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	<	<	<	<	4.0	<	<	<
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<	<	<	<
					T	%	Dibromofluoromethane	105	94	98	102	97	100	113	110
					T	%	Toluene-d8	88	97	92	89	101	93	96	94
					T	%	4-Bromofluorobenzene	96	92	93	95	92	97	112	110
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/05/98
							Dilution Factor	1	2	1	1		1	1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<		<	<	<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<		<	<	<
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<		<	<	<
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<		<	<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<		<	<	<
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	<	230	<	<		430	<	<
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<		640	<	<
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<		530	<	<
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<		1,000	<	<
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<		540	<	<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<		<	<	<

BOE-C6-0084635

8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<		<	<	<
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<		<	<	<
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<		<	<	<
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<		<	270	<
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<		<	<	<
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<		<	<	<
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<		<	<	<
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<	<	<		<	<	<
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<		<	<	<
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<	<	<		<	<	<
8270	100	5.0	218-0109	T		ppb	Chrysene	120	230	100	<		810	<	<
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<		<	<	<
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<		<	<	<
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<	<	<		<	<	<
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<	<	<		<	<	<
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<	<	<		<	<	<
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<	<	<		<	<	<
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<	<	<		<	<	<
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<	<	<		<	<	<
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<	<	<		<	<	<
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene	<	<	<	<		<	<	<
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	206-44-0	T		ppb	Fluoranthene	150	350	110	<		620	<	<
8270	100	5.0	86-73-7	T		ppb	Fluorene	<	<	<	<		<	<	<
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<		<	<	<
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene	<	<	<	<		<	<	<
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane	<	<	<	<		<	<	<
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene	<	<	<	<		670	<	<
8270	100	5.0	78-59-1	T		ppb	Isophorone	<	<	<	<		<	<	<
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene	<	<	<	<		<	590	<
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol	<	<	<	<		<	<	<
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol	<	<	<	<		<	<	<
8270	100	5.0	91-20-3	T		ppb	Naphthalene	<	<	<	<		<	<	<
8270	250	50	88-74-4	T		ppb	2-Nitroaniline	<	<	<	<		<	<	<
8270	250	50	99-09-2	T		ppb	3-Nitroaniline	<	<	<	<		<	<	<
8270	250	50	100-01-6	T		ppb	4-Nitroaniline	<	<	<	<		<	<	<
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene	<	<	<	<		<	<	<
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol	<	<	<	<		<	<	<
8270	100	50	100-02-7	T		ppb	4-Nitrophenol	<	<	<	<		<	<	<
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine	<	<	<	<		<	<	<
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine	<	<	<	<		<	<	<
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<	<	<		<	<	<
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<	<	<		<	<	<
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<	<	<	<		190	250	<
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<		<	<	<
8270	100	5.0	129-00-0	T		ppb	Pyrene	160	390	130	<		690	120	<
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<		<	<	<

BOE-C6-0084636

8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<		<	<	<
							Tested								
							Dilution Factor								
8080	20	5.0	12674-11-2	T		ppb	PCB-1016								
8080	20	5.0	11104-28-2	T		ppb	PCB-1221								
8080	20	5.0	11141-16-5	T		ppb	PCB-1232								
8080	20	5.0	53469-21-9	T		ppb	PCB-1242								
8080	20	5.0	12672-29-6	T		ppb	PCB-1248								
8080	20	5.0	11097-69-1	T		ppb	PCB-1254								
8080	20	5.0	11096-82-5	T		ppb	PCB-1260								
							Tested								
							Dilution Factor								
8080	1.0	0.1	309-00-2	T		ppb	Aldrin								
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC								
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC								
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC								
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)								
8080	10	0.2	57-74-9	T		ppb	Chlordane								
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD								
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE								
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT								
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin								
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I								
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II								
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate								
8080	2.0	0.02	72-20-8	T		ppb	Endrin								
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde								
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor								
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide								
8080	30	9.0	72-43-5	T		ppb	Methoxychlor								
8080	35	0.5	8001-35-2	T		ppb	Toxaphene								
							Tested								
8015m				T		ppm	Up to & Including C-12								
8015m				T		ppm	C13-22								
8015m				T		ppm	C23 & Higher								
8015m	8.0	0.5		T		ppm	Total								
							Tested								
8015m	8.0	0.5		T		ppm	Diesel								
							Tested								
8015m	5.0	0.05		T		ppm	Gas								
							Tested								
9060	5.0	1.0		T		ppm	TOC								
							Tested								
9081	1.0	1.0		T		ppm	Cation Exchange Capacity								

(a) QC units for Method 8270 are reported in ng.

BOE-C6-0084637

MWI 9849

		QC(S)								QC(W)								QC(S)		
W BR11 RINSATE BLANK 12/31/97 11:10 , N, H Y 12/31/97 11:35 W	W BT11 TRIP BLANK 12/31/97 , N, H Y 12/31/97 11:35 W																			
97120590	97120591	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC
01/02/98		01/02/98								01/02/98										
<		97120565	0.0	5.0	5.1	5.0	102	100	2	97120567	0.00	3.00	3.07	3.08	102	103	0			
<		97120565	1.4	5.0	6.5	6.3	102	98	3	97120567	0.00	1.00	1.00	1.00	100	100	0			
<		97120565	7.9	5.0	13.4	12.9	110	100	4	97120567	0.000	0.100	0.084	0.084	84	84	0			
<		97120565	0.00	1.00	0.93	0.89	93	89	4	97120567	0.00	0.100	0.095	0.096	95	96	1			
<		97120565	0.12	1.00	0.98	0.95	86	83	3	97120567	0.00	0.100	0.093	0.094	93	94	1			
12/31/97		12/31/97								12/31/97										
<		97120583	0.00	1.00	1.00	1.00	100	100	0	97120590	0.00	0.50	0.49	0.49	98	98	0			
01/02/98		01/02/98								01/02/98										
<		97120565	1.50	1.00	2.47	2.38	97	88	4	97120567	0.00	0.100	0.094	0.094	94	94	0			
<		97120565	0.70	1.00	1.59	1.53	89	83	4	97120567	0.00	0.100	0.096	0.096	96	96	0			
<		97120565	1.40	1.00	2.37	2.28	97	88	4	97120567	0.000	0.100	0.096	0.098	96	98	2			
<		97120565	0.44	1.0	1.2	1.2	76	76	0	97120567	0.00	1.00	0.96	0.95	96	95	1			
12/31/97		12/31/97								12/31/97										
<		97120565	0.000	0.020	0.022	0.024	110	120	9	OCA 100	0.000	0.020	0.019	0.019	95	95	0			
01/02/98		01/02/98								01/02/98										
<		97120565	0.0	1.0	0.95	0.92	95	92	3	97120567	0.00	1.00	0.99	1.03	99	103	4			
<		97120565	0.99	5.00	5.80	5.58	96	92	4	97120567	0.00	0.50	0.47	0.48	94	96	2			
<		97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	1.00	1.01	1.02	101	102	1			
<		97120565	0.0	5.0	5.0	4.8	100	98	4	97120567	0.00	0.50	0.50	0.53	100	106	6			
<		97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	3.00	3.04	3.04	101	101	0			
<		97120565	2.7	5.0	7.0	6.7	86	80	4	97120567	0.00	0.50	0.45	0.46	90	92	2			
<			3.4	5.0	7.5	7.2	82	76	4	97120567	0.000	0.100	0.100	0.099	100	99	1			

BOE-C6-0084638

01/05/98	01/05/98	01/02/98								01/05/98								01/05/98		
1	1																			
<	<	OCA200	0.0	50	50	50	100	100	0	OCA100	0.0	20	16	16	80	80	0	OCA200	0.0	50
<	<																			
<	<																			
<	<																			
<	<																			
<	<																			
<	<	OCA200	0.0	50	49	49	98	98	0	OCA100	0.0	20	17	17	85	85	0	OCA200	0.0	50
<	<																			
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<	<	OCA200	0.0	50	49	50	98	100	2	OCA100	0.0	20	16	16	80	80	0	OCA200	0.0	50
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BOE-C6-0084639

<	<	OCA200	0.0	50	51	51	102	102	0	OCA100	0.0	20	16	16	80	80	0	OCA200	0.0	50
<	<																			
<	<																			
<	<	OCA200	0.0	50	46	46	92	92	0	OCA100	0.0	20	16	16	80	80	0	OCA200	0.0	50
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110	107																			
97	96																			
107	104																			
01/05/98		01/02/98								01/05/98										
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<		OCA200	0.0	50	39	44	78	88	12	OCA100	0.0	50	39	42	78	84	7			
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<		OCA200	0.0	100	72	80	72	80	11	OCA100	0.0	100	72	78	72	78	8			
<		OCA200	0.0	100	67	74	67	74	10	OCA100	0.0	100	73	78	73	78	7			
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<		OCA200	0.0	50	35	38	70	76	8	OCA100	0.0	50	30	32	60	64	6			
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<		OCA200	0.0	50	43	47	86	94	9	OCA100	0.0	50	44	48	88	96	9			
<																				
<		OCA200	0.0	100	75	85	75	85	13	OCA100	0.0	100	71	79	71	79	11			
<																				
<		OCA200	0.0	100	68	75	68	75	10	OCA100	0.0	100	27	33	27	33	20			
<		OCA200	0.0	50	44	50	88	100	13	OCA100	0.0	50	44	48	88	96	9			
<		OCA200	0.0	50	36	40	72	80	11	OCA100	0.0	50	32	35	64	70	9			
<																				

BOE-C6-0084641

<										OCA100	0.0	20			0	0	#DIV/0!				

BOE-C6-0084642

SL[e]	DL[e]	RECOVER	D RECOVER	RPD

BOE-C6-0084643

43	42	86	84	2
45	45	90	90	0
42	43	84	86	2

BOE-C6-0084644

43	43	86	86	0
43	42	86	84	2

BOE-C6-0084645

BOE-C6-0084647

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: STANDARD TAT ON WATER

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strauss	NUMBER:	12006035.01090010
ADDRESS:	250 N Madison Ave	LOCATION:	C-6 Facility
	Pasadena, CA 91101	ADDRESS:	19503-5 Normandie Ave
			Los Angeles, CA 90501
PHONE:	(626) 568-6582 FAX: (626) 796-5941	SAMPLED BY:	EV/CW/AN

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B41-LTU1-GS-2	2	12/31/97	0810	SOIL	2"x6" SS SLEEVE	ICE									Composite to B41-LTU1-COMP
B41-LTU1-GS-3	2	↓	0830	↓	↓	↓									↓
B41-LTU1-GS-5	2	↓	1025	↓	↓	↓									↓
B41-LTU1-COMP	2							X	X	X					*Composite of B41-LTU1-GS-2,3 & 5
B41-LTU1-GS-4	2	12/31/97	0845	↓	↓	↓		X	X	X					
B41-LTU2-GS-1	2	↓	0910	↓	↓	↓		X	X	X					
PL-LTU1-GS-3	2	↓	0925	↓	↓	↓		X	X	X					*= Composite at Lab
B37ST-GS-1	2	↓	1020	↓	↓	↓			X						
B41-LTU2-GS-2	2	↓	1110	↓	↓	↓		X	X	X					
B37CL-LTU1-GS-1	2	↓	1045	↓	↓	↓		X	X	X					
Equipment Blank	6	↓	1100	WATER	3 amber 1 poly 2 VOAs	None HNO3 HCl		X	X	X					
Rinsate Blank	6	↓	1110	↓	↓	↓		X	X	X					
Trip Blank	2	↓	—	↓	2 VOAs	HCl			X						

Total No. of Samples: 12

Method of Shipment: Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Christopher Wong	12/31/97 1135		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	12/31/97 11:35AM

Reporting Format: (check)
NORMAL ____ S.D. HMMD ____
RWQCB ____ OTHER ____

Sample Integrity: (check)
Intact ____ on Ice ____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084648

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: *97 - 02 - 195*

Approved for release by:

Joel Grice, Laboratory Manager — *Date:* 3/11/92

Michael J. Crisostomo, Project Manager — *Date:* 3-11-97

FULLERTON LABORATORY
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PHONE (714) 447-6868

CASE NARRATIVE

SPL Workorder Number: 9702195

Southern Petroleum Laboratories (SPL) Fullerton is pleased to present the following results of laboratory analyses to Montgomery Watson-Pasadena for the MDRC project, located in Torrance, CA. On February 25, 1997, one (1) soil sample was received by the laboratory. The sample was received intact and within the 2°C - 6°C preservation temperature range.

The sample was analyzed as initially requested on the accompanying chain of custody record.

On February 26, 1997, a notice was received via fax transmittal requesting that this sample be analyzed for Volatile Organics by EPA 8260, Semivolatile Organics by EPA 8270 and Carbon Chain (by Simulated Distillation). Note that the semivolatile organics analysis was performed at SPL's Houston laboratory, under Houston workorder number 9702C76.

As part of SPL Fullerton's regular quality control (QC) activities, a minimum of one set of QC samples is analyzed per batch (≤ 20) of environmental samples. This QC set consists of a laboratory method blank (LMB), a laboratory control sample (LCS), a matrix spike (MS), and a matrix spike duplicate (MSD). Analysis of the MS and MSD samples yielded low recoveries for several elements: antimony, arsenic, barium, silver, and thallium. Because the LMB and LCS recoveries were well within the acceptability criteria, it was deduced that the poor recoveries from the MS & MSD analyses were a result of matrix interferences affecting the selected QC sample.

If you have any questions regarding information presented in this report please call me at (714) 447-6868. Please refer to workorder 9702195 to expedite service.

Michael J. Crisostomo
Project Manager

Certificate of Analysis No. 9702195

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

Client: Montgomery Watson
Client Address: 250 N. Madison Avenue
Pasadena CA 91101
Attention: Nancy Matsumoto
Project Name MDRC C-6 Facility Building 37
Site: Torrance, CA
Method: 418.1*

Report Date: 3/5/97
Date(s) Received: 2/25/97
Date(s) Sampled: 2/25/97
Date(s) Analyzed: 2/26/97
Project Number: 120603501090010
Matrix: SOIL

Units: mg/Kg

Sample ID	Petroleum Extractables
BA-GS-1-1.5ft.	15000

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

SPL California License Number 2178

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PHONE (714) 447-6868

Certificate of Analysis No. 9702195

Client: Montgomery Watson
Client Address: 250 N. Madison Avenue
Pasadena, CA 91101
Attention: Nancy Matsumoto
Project Name: MDRC C-6 Facility Building 37
Site: Torrance, CA

Report Date: 3/5/97
Date(s) Received: 2/25/97
Date(s) Sampled: 2/25/97
Date(s) Analyzed: 2/26-28/97
Project Number: 12060350109001
Matrix: SOIL

Analyte	Units	EPA Method	BA-GS-1-1.5ft.
Antimony, Total	mg/Kg	6010A***	ND<0.500
Arsenic, Total	mg/Kg	6010A***	ND<0.11
Barium, Total	mg/Kg	6010A***	225
Beryllium, Total	mg/Kg	6010A***	ND<0.06
Cadmium, Total	mg/Kg	6010A***	0.328
Chromium, Total	mg/Kg	6010A***	13.8
Cobalt, Total	mg/Kg	6010A***	15.6
Copper, Total	mg/Kg	6010A***	15.3
Digestion-Solids 3050A	N/A	3050A***	02/26/97
Lead, Total	mg/Kg	6010A***	7.8
Mercury Digestion in Soil	N/A	7471A***	02/26/97
Mercury, Total	mg/Kg	7471A***	ND<0.200
Molybdenum,Total	mg/Kg	6010A***	ND<2.50
Nickel, Total	mg/Kg	6010A ***	9.55
Selenium, Total	mg/Kg	6010A***	ND<5.00
Silver, Total	mg/Kg	6010A***	ND<5.00
Soil extraction	N/A	CA LUFT, App. D	02/27/97
Thallium, Total	mg/Kg	6010A***	ND<0.500
Ultrasonic Extraction 3550A	N/A	3550A	02/28/97
Vanadium, Total	mg/Kg	6010A***	36.3
Zinc, Total	mg/Kg	6010A***	41.4

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

Results for Arsenic, Beryllium, Cadmium, and total Chromium are presented using the MDL as a reference.

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Certificate of Analysis No. 9702195

Client:	Montgomery Watson	**Report Date:**	3/5/97
Client Address:	250 N. Madison Avenue	**Date(s) Received:**	2/25/97
	Pasadena, CA 91101	**Date(s) Sampled:**	2/25/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	2/28/97
Project Name	MDRC C-6 Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8260 Soil, Volatile Organics	**Units:**	UG/KG

Analyte	BA-GS-1-1.5ft.
Dichlorodifluoromethane	ND<5
Chloromethane	ND<5
Vinyl chloride	ND<5
Bromomethane	ND<5
Chloroethane	ND<5
Trichlorofluoromethane	18
1,1-Dichloroethene	230
Methylene chloride	7.3
trans-1,2-Dichloroethene	ND<5
1,1-Dichloroethane	1300
2,2-Dichloropropane	ND<5
cis-1,2-Dichloroethene	13
Chloroform	ND<5
Bromochloromethane	ND<5
1,1,1-Trichloroethane	13000
1,1-Dichloropropene	ND<5
Carbon tetrachloride	ND<5
1,2-Dichloroethane	16
Benzene	ND<5
Trichloroethene	280
1,2-Dichloropropane	ND<5
Bromodichloromethane	ND<5
Dibromomethane	ND<5
cis-1,3-Dichloropropene	ND<5
Toluene	14000
trans-1,3-Dichloropropene	ND<5
1,1,2-Trichloroethane	210
1,2-Dibromoethane	ND<5
1,3-Dichloropropane	ND<5
Tetrachloroethene	99000
Dibromochloromethane	ND<5
Chlorobenzene	ND<5
1,1,1,2-Tetrachloroethane	ND<5
Ethylbenzene	87
m,p-Xylene	290
o-Xylene	86
Styrene	ND<5
Bromoform	ND<5
Isopropylbenzene	ND<5
1,1,2,2-Tetrachloroethane	ND<5

Certificate of Analysis No. 9702195

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Client:	Montgomery Watson	**Report Date:**	3/5/97
Client Address:	250 N. Madison Avenue	**Date(s) Received:**	2/25/97
	Pasadena, CA 91101	**Date(s) Sampled:**	2/25/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	2/28/97
Project Name	MDRC C-6 Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8260 Soil, Volatile Organics	**Units:**	UG/KG

Analyte	BA-GS-1-1.5ft.
1,2,3-Trichloropropane	ND<5
n-Propylbenzene	ND<5
Bromobenzene	ND<5
1,3,5-Trimethylbenzene	22
2-Chlorotoluene	ND<5
4-Chlorotoluene	ND<5
tert-Butylbenzene	ND<5
1,2,4-Trimethylbenzene	51
sec-Butylbenzene	ND<5
p-Isopropyltoluene	11
1,3-Dichlorobenzene	ND<5
1,4-Dichlorobenzene	ND<5
n-Butylbenzene	ND<5
1,2-Dichlorobenzene	ND<5
1,2-Dibromo-3-chloropropa	ND<5
1,2,4-Trichlorobenzene	ND<5
Hexachlorobutadiene	ND<5
Naphthalene	14
1,2,3-Trichlorobenzene	ND<5

Results reported at Practical Quantitation Limits unless otherwise specified.

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

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Certificate of Analysis No. 9702195

Client:	Montgomery Watson	**Report Date:**	3/5/97
Client Address:	250 N. Madison Avenue Pasadena, CA 91101	**Date(s) Received:**	2/25/97
		Date(s) Sampled:	2/25/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/4/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	BA-GS-1-1.5ft.
Acenaphthene	ND<1300
Acenaphthylene	ND<1300
Aniline	ND<1300
Anthracene	ND<1300
Benzo (a) Anthracene	ND<1300
Benzo (b) Fluoranthene	ND<1300
Benzo (k) Fluoranthene	ND<1300
Benzo (a) Pyrene	ND<1300
Benzoic Acid	ND<6400
Benzo (g,h,i) Perylene	ND<1300
Benzyl alcohol	ND<1300
4-Bromophenylphenyl ether	ND<1300
Butylbenzylphthalate	ND<1300
di-n-Butyl phthalate	ND<1300
Carbazole	ND<1300
4-Chloroaniline	ND<1300
bis (2-Chloroethoxy) Methane	ND<1300
bis (2-Chloroethyl) Ether	ND<1300
bis (2-Chloroisopropyl) Ether	ND<1300
4-Chloro-3-Methylphenol	ND<1300
2-Chloronaphthalene	ND<1300
2-Chlorophenol	ND<1300
4-Chlorophenylphenyl ether	ND<1300
Chrysene	ND<1300
Dibenz (a,h) Anthracene	ND<1300
Dibenzofuran	ND<1300
1,2-Dichlorobenzene	ND<1300
1,3-Dichlorobenzene	ND<1300
1,4-Dichlorobenzene	ND<1300
3,3'-Dichlorobenzidine	ND<1300
2,4-Dichlorophenol	ND<1300
Diethylphthalate	ND<1300
2,4-Dimethylphenol	ND<1300
Dimethyl Phthalate	ND<1300
4,6-Dinitro-2-Methylphenol	ND<3200
2,4-Dinitrophenol	ND<3200
2,4-Dinitrotoluene	ND<1300
2,6-Dinitrotoluene	ND<1300
1,2-Diphenylhydrazine	ND<1300
bis (2-Ethylhexyl)Phthalate	36000

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Client Address:	250 N. Madison Avenue	**Date(s) Received:**	2/25/97
	Pasadena, CA 91101	**Date(s) Sampled:**	2/25/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/4/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	BA-GS-1-1.5ft.
Fluoranthene	ND<1300
Fluorene	ND<1300
Hexachlorobenzene	ND<1300
Hexachlorobutadiene	ND<1300
Hexachloroethane	ND<1300
Hexachlorocyclopentadiene	ND<1300
Indeno(1,2,3-cd)Pyrene	ND<1300
Isophorone	ND<1300
2-Methylnaphthalene	ND<1300
2-Methylphenol	ND<1300
4-Methylphenol	ND<1300
Napthalene	ND<1300
2-Nitroaniline	ND<3200
3-Nitroaniline	ND<3200
4-Nitroaniline	ND<3200
Nitrobenzene	ND<1300
2-Nitrophenol	ND<1300
4-Nitrophenol	ND<3200
N-Nitrosodiphenylamine	ND<1300
N-Nitroso-Di-n-Propylamine	ND<1300
Di-n-Octyl Phthalate	ND<1300
Pentachlorophenol	ND<3200
Phenanthrene	ND<1300
Phenol	ND<1300
Pyrene	ND<1300
Pyridine	ND<1300
1,2,4-Trichlorobenzene	ND<1300
2,4,5-Trichlorophenol	ND<3200
2,4,6-Trichlorophenol	ND<1300

Results reported at Practical Quantitation Limits unless otherwise specified.

*Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

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Certificate of Analysis No. 9702195

Client:	Montgomery Watson	**Report Date:**	3/5/97
Client Address:	250 N. Madison Avenue	**Date(s) Received:**	2/25/97
	Pasadena, CA 91101	**Date(s) Sampled:**	2/25/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/4/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	Mod. D-2887, Simulated Distillation	**Units:**	mg/Kg

Carbon Chain Range	BA-GS-1-1.5ft.
C08-C09	53
C10-C11	120
C12-C13	160
C14-C15	190
C16-C17	270
C18-C19	560
C20-C23	1700
C24-C27	1500
C28-C31	1100
C32-C35	900
C36-C39	320
C40-C43	200
Total	7100

Results reported at Practical Quantitation Limits unless otherwise specified.

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QUALITY CONTROL

DOCUMENTATION

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 02/26/97
Analyzed on: 02/26/97
Analyst: SB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Extractables
Method 418.1*

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike Result mg/Kg	Matrix Spike Recovery %	Matrix Spike Duplicate Result mg/Kg	Matrix Spike Duplicate Recovery %	RPD (%)	QC LIMITS (Advisory) RPD Max	QC LIMITS (Advisory) % REC
9702195-01A	ND	ND	500	495	99.0	489	97.8	1.2	20	80 -120

PETHS022697 -9702050

Samples in batch:

9702193-01A 9702193-02A 9702193-03A 9702193-04A
9702193-05A 9702194-01A 9702194-02A 9702195-01A

COMMENTS:

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** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 02/26/97
Analyzed on: 02/26/97
Analyst: SB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Extractables
Method 418.1*

SPL Sample ID Number	Blank Value mg/Kg	LCS Concentration mg/Kg	Measured Concentration mg/Kg	% Recovery	QC Limits Recovery
LCS	ND	500	563	113	80 - 120

PETHS022697 -9702050

Samples in batch:

9702193-01A 9702193-02A 9702193-03A 9702193-04A
9702193-05A 9702194-01A 9702194-02A 9702195-01A

COMMENTS:

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QUALITY CONTROL INFORMATION
METALS

MS/MSD Results

Date: 2/28/97
Sample ID: 9702173-1

Matrix: Soil
Includes: 9702193-5; 9702195-1

Parameter	LMB	LCS Rec. (%)	Acceptability Range (%)	MS Rec. (%)		MSD Rec. (%)		Acceptability Range (%)	RPD		RPD Range (%)
Antimony, Sb	ND	99.6	84-117	42.0	*	35.1	*	80-120	18.0		20
Arsenic, As	ND	103	85-117	79.3	*	78.2	*	80-120	1.3		20
Barium, Ba	ND	102	62-136	89.1		70.4	*	80-120	23.4	*	20
Beryllium, Be	ND	99.0	85-111	92.4		90.9		80-120	1.6		20
Cadmium, Cd	ND	99.4	86-112	91.7		90.2		80-120	1.7		20
Chromium, Cr	ND	99.5	83-110	86.9		85.9		80-120	1.2		20
Cobalt, Co	ND	98.6	85-112	84.8		83.8		80-120	1.3		20
Copper, Cu	ND	98.9	84-111	89.6		90.0		80-120	0.4		20
Lead, Pb	ND	97.5	85-110	83.6		82.1		80-120	1.8		20
Molybdenum, Mo	ND	98.0	83-110	80.8		79.1		80-120	2.1		20
Nickel, Ni	ND	99.2	86-110	85.5		84.3		80-120	1.4		20
Selenium, Se	ND	97.3	84-111	83.8		81.7		80-120	2.5		20
Silver, Ag	ND	103	80-125	79.5	*	78.0	*	80-120	2.0		20
Thallium, Tl	ND	96.2	83-109	77.0	*	76.7	*	80-120	0.4		20
Vanadium, V	ND	99.3	84-109	87.9		86.7		80-120	1.4		20
Zinc, Zn	ND	103	88-117	92.0		92.9		80-120	0.9		20

**Matrix Effect

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

** SPL BATCH QUALITY CONTROL REPORT **

M8015 - Diesel

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

Matrix: Soil

Units: mg/Kg

Batch Id: GC_6970228025400

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Petroleum Hydrocarbons-Die	ND	200	151	75.5	70 - 140

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
PETROLEUM HYDROCARBONS-DIE	ND	200	170	85.0	170	85.0	0	20	50 - 150

Analyst: RTC

Sequence Date: 02/28/97

SPL ID of sample spiked: 9702190-01A

Sample File ID: GC6B363.TX0

Method Blank File ID:

Blank Spike File ID: GC6B412.TX0

Matrix Spike File ID: GC6B378.TX0

Matrix Spike Duplicate File ID: GC6B379.TX0

* = Values Outside QC Range. « = Data outside Method Specification limits.

NC = Not Calculated (Sample exceeds spike by factor of 4 or more)

ND = Not Detected/Below Detection Limit

% Recovery = [(<1> - <2>) / <3>] x 100

LCS % Recovery = (<1> / <3>) x 100

Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100

(**) = Source: SPL Internal Limits

(***) = Source:

SAMPLES IN BATCH(SPL ID): 9702190-01A 9702172-01A 9702195-01A

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PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

02/28/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702205, 9702195

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Dichlorodifluoromethane	ND	5.0	100	70 - 130
Chloromethane	ND	5.0	106	70 - 130
Vinyl chloride	ND	5.0	96	70 - 130
Bromomethane	ND	5.0	104	70 - 130
Chloroethane	ND	5.0	102	70 - 130
Trichlorofluoromethane	ND	5.0	102	70 - 130
Acrolein	ND	50	NA	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	NA	70 - 130
Acetone	ND	100	94	70 - 130
1,1-Dichloroethene	ND	5.0	96	70 - 130
Acetonitrile	ND	50	NA	70 - 130
Iodomethane	ND	5.0	88	70 - 130
Allyl chloride	ND	50	NA	70 - 130
Methylene chloride	ND	5.0	96	70 - 130
Carbon disulfide	ND	5.0	90	70 - 130
Acrylonitrile	ND	50	NA	70 - 130
2-Methoxy-2-methylpropane	ND	5.0	102	70 - 130
trans-1,2-dichloroethene	ND	5.0	96	70 - 130
Vinyl acetate	ND	10	88	70 - 130
1,1-Dichloroethane	ND	5.0	102	70 - 130
2-Butanone	ND	10	88	70 - 130
Propionitrile	ND	50	NA	70 - 130
2,2-Dichloropropane	ND	5.0	100	70 - 130
cis-1,2-dichloroethene	ND	5.0	102	70 - 130
Methacrylonitrile	ND	50	NA	70 - 130
Isobutyl alcohol	ND	100	NA	70 - 130
Chloroform	ND	5.0	100	70 - 130
Bromochloromethane	ND	5.0	102	70 - 130
1,1,1-Trichloroethane	ND	5.0	98	70 - 130
1,1-Dichloropropene	ND	5.0	106	70 - 130
Carbon tetrachloride	ND	5.0	102	70 - 130
1,2-Dichloroethane	ND	5.0	100	70 - 130
Benzene	ND	5.0	102	70 - 130
Trichloroethene	ND	5.0	100	70 - 130

ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

02/28/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702205, 9702195

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Methyl methacrylate	ND	50	NA	70 - 130
1,2-Dichloropropane	ND	5.0	102	70 - 130
1,4-Dioxane	ND	100	NA	70 - 130
Bromodichloromethane	ND	5.0	100	70 - 130
Dibromomethane	ND	5.0	100	70 - 130
2-Chloroethyl vinyl ether	ND	10	122	70 - 130
4-Methyl-2-pentanone	ND	10	110	70 - 130
cis-1,3-Dichloropropene	ND	5.0	110	70 - 130
Toluene	ND	5.0	108	70 - 130
Ethyl methacrylate	ND	50	NA	70 - 130
trans-1,3-Dichloropropene	ND	5.0	110	70 - 130
2-Hexanone	ND	10	98	70 - 130
1,1,2-trichloroethane	ND	5.0	102	70 - 130
1,2-Dibromoethane	ND	5.0	102	70 - 130
1,3-Dichloropropane	ND	5.0	108	70 - 130
Tetrachloroethene	ND	5.0	106	70 - 130
Dibromochloromethane	ND	5.0	104	70 - 130
Chlorobenzene	ND	5.0	110	70 - 130
1,1,1,2-Tetrachloroethane	ND	5.0	104	70 - 130
Ethylbenzene	ND	5.0	120	70 - 130
m,p-Xylene	ND	5.0	122	70 - 130
o-Xylene	ND	5.0	118	70 - 130
Styrene	ND	5.0	124	70 - 130
Bromoform	ND	5.0	104	70 - 130
trans-1,4-Dichloro-2-butene	ND	50	NA	70 - 130
Pentachloroethane	ND	50	NA	70 - 130
Isopropylbenzene	ND	5.0	114	70 - 130
1,1,2,2-Tetrachloroethane	ND	5.0	100	70 - 130
1,2,3-Trichloropropane	ND	5.0	100	70 - 130
n-Propylbenzene	ND	5.0	114	70 - 130

ND = Not Detected

FULLERTON LABORATORY
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FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

02/28/ 97

EPA 8240/8260 Compounds by EPA 8260 Method

9702205, 9702195

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Bromobenzene	ND	5.0	102	70 - 130
1,3,5-Trimethylbenzene	ND	5.0	118	70 - 130
2-Chlorotoluene	ND	5.0	110	70 - 130
4-Chlorotoluene	ND	5.0	110	70 - 130
tert-Butylbenzene	ND	5.0	110	70 - 130
1,2,4-Trimethylbenzene	ND	5.0	118	70 - 130
sec-Butylbenzene	ND	5.0	114	70 - 130
p-Isopropyltoluene	ND	5.0	118	70 - 130
1,3-Dichlorobenzene	ND	5.0	104	70 - 130
1,4-Dichlorobenzene	ND	5.0	102	70 - 130
n-Butylbenzene	ND	5.0	114	70 - 130
1,2-Dichlorobenzene	ND	5.0	102	70 - 130
1,2-Dibromo-3-chloropropane	ND	5.0	96	70 - 130
1,2,4-Trichlorobenzene	ND	5.0	96	70 - 130
Hexachlorobutadiene	ND	5.0	98	70 - 130
Naphthalene	ND	5.0	100	70 - 130
1,2,3-Trichlorobenzene	ND	5.0	100	70 - 130
DBFM Surrogate Rec. (%)	109	----	94	60 - 140
Toluene-d8 Surrogate Rec. (%)	100	----	102	60 - 140
BFB Surrogate Rec. (%)	81	----	121	60 - 140

LCS = Laboratory Control Sample
ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

02/28/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702205, 9702195

Sample Spiked: SAND BLK

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	RPD Range (%)
1,1-Dichloroethene	98	101	3.0	70 - 130	30
Benzene	109	112	2.7	70 - 130	30
Trichloroethene	107	113	5.5	70 - 130	30
Toluene	110	106	1.9	70 - 130	30
Chlorobenzene	100	107	6.8	70 - 130	30
DBFM Surrogate Rec. (%)	100	102	---	60 - 140	---
Toluene-d8 Surrogate Rec. (%)	115	109	---	60 - 140	---
BFB Surrogate Rec. (%)	109	112	---	60 - 140	---

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

03/03/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702216, 9702172, 9702206, 9702195, 9702215

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Dichlorodifluoromethane	ND	5.0	124	70 - 130
Chloromethane	ND	5.0	112	70 - 130
Vinyl chloride	ND	5.0	94	70 - 130
Bromomethane	ND	5.0	100	70 - 130
Chloroethane	ND	5.0	98	70 - 130
Trichlorofluoromethane	ND	5.0	98	70 - 130
Acrolein	ND	50	NA	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	NA	70 - 130
Acetone	ND	100	92	70 - 130
1,1-Dichloroethene	ND	5.0	88	70 - 130
Acetonitrile	ND	50	NA	70 - 130
Iodomethane	ND	5.0	94	70 - 130
Allyl chloride	ND	50	NA	70 - 130
Methylene chloride	ND	5.0	82	70 - 130
Carbon disulfide	ND	5.0	92	70 - 130
Acrylonitrile	ND	50	102	70 - 130
2-Methoxy-2-methylpropane	ND	5.0	102	70 - 130
trans-1,2-dichloroethene	ND	5.0	86	70 - 130
Vinyl acetate	ND	10	92	70 - 130
1,1-Dichloroethane	ND	5.0	88	70 - 130
2-Butanone	ND	10	90	70 - 130
Propionitrile	ND	50	NA	70 - 130
2,2-Dichloropropane	ND	5.0	92	70 - 130
cis-1,2-dichloroethene	ND	5.0	92	70 - 130
Methacrylonitrile	ND	50	NA	70 - 130
Isobutyl alcohol	ND	100	NA	70 - 130
Chloroform	ND	5.0	86	70 - 130
Bromochloromethane	ND	5.0	88	70 - 130
1,1,1-Trichloroethane	ND	5.0	86	70 - 130
1,1-Dichloropropene	ND	5.0	96	70 - 130
Carbon tetrachloride	ND	5.0	90	70 - 130
1,2-Dichloroethane	ND	5.0	88	70 - 130
Benzene	ND	5.0	92	70 - 130
Trichloroethene	ND	5.0	92	70 - 130

ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

03/03/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702216, 9702172, 9702206, 9702195, 9702215

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Methyl methacrylate	ND	50	NA	70 - 130
1,2-Dichloropropane	ND	5.0	92	70 - 130
1,4-Dioxane	ND	100	NA	70 - 130
Bromodichloromethane	ND	5.0	86	70 - 130
Dibromomethane	ND	5.0	92	70 - 130
2-Chloroethyl vinyl ether	ND	10	128	70 - 130
4-Methyl-2-pentanone	ND	10	120	70 - 130
cis-1,3-Dichloropropene	ND	5.0	94	70 - 130
Toluene	ND	5.0	98	70 - 130
Ethyl methacrylate	ND	50	NA	70 - 130
trans-1,3-Dichloropropene	ND	5.0	98	70 - 130
2-Hexanone	ND	10	106	70 - 130
1,1,2-trichloroethane	ND	5.0	94	70 - 130
1,2-Dibromoethane	ND	5.0	94	70 - 130
1,3-Dichloropropane	ND	5.0	98	70 - 130
Tetrachloroethene	ND	5.0	100	70 - 130
Dibromochloromethane	ND	5.0	94	70 - 130
Chlorobenzene	ND	5.0	100	70 - 130
1,1,1,2-Tetrachloroethane	ND	5.0	94	70 - 130
Ethylbenzene	ND	5.0	106	70 - 130
m,p-Xylene	ND	5.0	108	70 - 130
o-Xylene	ND	5.0	106	70 - 130
Styrene	ND	5.0	110	70 - 130
Bromoform	ND	5.0	98	70 - 130
trans-1,4-Dichloro-2-butene	ND	50	NA	70 - 130
Pentachloroethane	ND	50	NA	70 - 130
Isopropylbenzene	ND	5.0	106	70 - 130
1,1,2,2-Tetrachloroethane	ND	5.0	94	70 - 130
1,2,3-Trichloropropane	ND	5.0	92	70 - 130
n-Propylbenzene	ND	5.0	108	70 - 130

ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

03/03/ 97

EPA 8240/8260 Compounds by EPA 8260 Method

9702216, 9702172, 9702206, 9702195, 9702215

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Bromobenzene	ND	5.0	98	70 - 130
1,3,5-Trimethylbenzene	ND	5.0	108	70 - 130
2-Chlorotoluene	ND	5.0	100	70 - 130
4-Chlorotoluene	ND	5.0	100	70 - 130
tert-Butylbenzene	ND	5.0	102	70 - 130
1,2,4-Trimethylbenzene	ND	5.0	106	70 - 130
sec-Butylbenzene	ND	5.0	104	70 - 130
p-Isopropyltoluene	ND	5.0	108	70 - 130
1,3-Dichlorobenzene	ND	5.0	96	70 - 130
1,4-Dichlorobenzene	ND	5.0	96	70 - 130
n-Butylbenzene	ND	5.0	102	70 - 130
1,2-Dichlorobenzene	ND	5.0	96	70 - 130
1,2-Dibromo-3-chloropropane	ND	5.0	92	70 - 130
1,2,4-Trichlorobenzene	ND	5.0	96	70 - 130
Hexachlorobutadiene	ND	5.0	94	70 - 130
Naphthalene	ND	5.0	98	70 - 130
1,2,3-Trichlorobenzene	ND	5.0	96	70 - 130
DBFM Surrogate Rec. (%)	105	----	85	60 - 140
Toluene-d8 Surrogate Rec. (%)	97	----	102	60 - 140
BFB Surrogate Rec. (%)	86	----	127	60 - 140

LCS = Laboratory Control Sample
ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

QUALITY CONTROL INFORMATION

03/03/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702216, 9702172, 9702206, 9702195, 9702215

Sample Spiked: 9702216-02A

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	RPD Range (%)
1,1-Dichloroethene	114	117	2.6	70 - 130	30
Benzene	117	121	3.4	70 - 130	30
Trichloroethene	111	113	1.8	70 - 130	30
Toluene	101	105	3.9	70 - 130	30
Chlorobenzene	104	106	1.9	70 - 130	30
DBFM Surrogate Rec. (%)	111	121	---	60 - 140	---
Toluene-d8 Surrogate Rec. (%)	101	99	---	60 - 140	---
BFB Surrogate Rec. (%)	118	119	---	60 - 140	---

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970228044703

Reported on: 03/04/97 14:33
Analyzed on: 03/03/97 18:25
Analyst: LH

METHOD 8270 BLANK H059B02

Compound	Result	Detection Limit	Units
Pyridine	ND	330	ug/Kg
Phenol	ND	330	ug/Kg
Aniline	ND	330	ug/Kg
bis(2-Chloroethyl)ether	ND	330	ug/Kg
2-Chlorophenol	ND	330	ug/Kg
1,3-Dichlorobenzene	ND	330	ug/Kg
1,4-Dichlorobenzene	ND	330	ug/Kg
Benzyl alcohol	ND	330	ug/Kg
1,2-Dichlorobenzene	ND	330	ug/Kg
2-Methylphenol	ND	330	ug/Kg
bis(2-chloroisopropyl)ethe	ND	330	ug/Kg
4-Methylphenol	ND	330	ug/Kg
N-Nitroso-di-n-propylamine	ND	330	ug/Kg
Hexachloroethane	ND	330	ug/Kg
Nitrobenzene	ND	330	ug/Kg
Isophorone	ND	330	ug/Kg
2-Nitrophenol	ND	330	ug/Kg
2,4-Dimethylphenol	ND	330	ug/Kg
Benzoic acid	ND	1600	ug/Kg
bis(2-Chloroethoxy)methane	ND	330	ug/Kg
2,4-Dichlorophenol	ND	330	ug/Kg
1,2,4-Trichlorobenzene	ND	330	ug/Kg
Naphthalene	ND	330	ug/Kg
4-Chloroaniline	ND	330	ug/Kg
Hexachlorobutadiene	ND	330	ug/Kg
4-Chloro-3-methylphenol	ND	330	ug/Kg
2-Methylnaphthalene	ND	330	ug/Kg
Hexachlorocyclopentadiene	ND	330	ug/Kg
2,4,6-Trichlorophenol	ND	330	ug/Kg
2,4,5-Trichlorophenol	ND	800	ug/Kg
2-Chloronaphthalene	ND	330	ug/Kg
2-Nitroaniline	ND	800	ug/Kg
Dimethylphthalate	ND	330	ug/Kg
2,6-Dinitrotoluene	ND	330	ug/Kg

Notes
ND - Not detected.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970228044703

Reported on: 03/04/97 14:33
Analyzed on: 03/03/97 18:25
Analyst: LH

METHOD 8270 BLANK H059B02

Compound	Result	Detection Limit	Units
Acenaphthylene	ND	330	ug/Kg
3-Nitroaniline	ND	800	ug/Kg
Acenaphthene	ND	330	ug/Kg
2,4-Dinitrophenol	ND	800	ug/Kg
4-Nitrophenol	ND	800	ug/Kg
Dibenzofuran	ND	330	ug/Kg
2,4-Dinitrotoluene	ND	330	ug/Kg
Diethylphthalate	ND	330	ug/Kg
4-Chlorophenyl-phenylether	ND	330	ug/Kg
Fluorene	ND	330	ug/Kg
4-Nitroaniline	ND	800	ug/Kg
4,6-Dinitro-2-methylphenol	ND	800	ug/Kg
n-Nitrosodiphenylamine	ND	330	ug/Kg
1,2-Diphenylhydrazine	ND	330	ug/Kg
4-Bromophenyl-phenylether	ND	330	ug/Kg
Hexachlorobenzene	ND	330	ug/Kg
Pentachlorophenol	ND	800	ug/Kg
Phenanthrene	ND	330	ug/Kg
Anthracene	ND	330	ug/Kg
Carbazole	ND	330	ug/Kg
Di-n-butylphthalate	ND	330	ug/Kg
Fluoranthene	ND	330	ug/Kg
Pyrene	ND	330	ug/Kg
Butylbenzylphthalate	ND	330	ug/Kg
3,3'-Dichlorobenzidine	ND	330	ug/Kg
Benzo[a]anthracene	ND	330	ug/Kg
Chrysene	ND	330	ug/Kg
bis(2-Ethylhexyl)phthalate	ND	330	ug/Kg
Di-n-octylphthalate	ND	330	ug/Kg
Benzo[b]fluoranthene	ND	330	ug/Kg
Benzo[k]fluoranthene	ND	330	ug/Kg
Benzo[a]pyrene	ND	330	ug/Kg
Indeno[1,2,3-cd]pyrene	ND	330	ug/Kg
Dibenz[a,h]anthracene	ND	330	ug/Kg

Notes
ND - Not detected.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970228044703

Reported on: 03/04/97 14:33
Analyzed on: 03/03/97 18:25
Analyst: LH

METHOD 8270 BLANK H059B02

Compound	Result	Detection Limit	Units
Benzo[g,h,i]perylene	ND	330	ug/Kg

Surrogate	Result	QC Criteria	Units
Nitrobenzene-d5	101	23-120	% Recovery
2-Fluorobiphenyl	90	30-115	% Recovery
Terphenyl-d14	101	18-137	% Recovery
Phenol-d5	84	24-113	% Recovery
2-Fluorophenol	74	25-121	% Recovery
2,4,6-Tribromophenol	104	19-122	% Recovery

Samples in Batch 9702C76-01

Notes

ND - Not detected.

SPL Houston Labs

Data file : /chem1/h.i/h970303.b/h059b02.d
Lab Smp Id:
Inj Date : 03-MAR-1997 18:25
Operator : LH Inst ID: h.i
Smp Info : BLANK-8270S/1X
Misc Info : E059S1/H059B02/H06IC3
Comment :
Method : /chem1/h.i/h970303.b/h8270sQ.m
Meth Date : 03-Mar-1997 16:52 liping Quant Type: ISTD
Cal Date : 03-MAR-1997 15:51 Cal File: h062ic5.d
Als bottle: 14
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
* 11 1,4-Dichlorobenzene-d4	152.00	4.545	4.541	(1.000)	155816	40	
* 32 Naphthalene-d8	136.00	6.340	6.336	(1.000)	493180	40	
* 48 Acenaphthene-d10	164.00	9.072	9.068	(1.000)	266266	40	
* 65 Phenanthrene-d10	188.00	11.397	11.393	(1.000)	410944	40	
* 76 Chrysene-d12	240.00	15.630	15.626	(1.000)	255706	40	
* 83 Perylene-d12	264.00	17.786	17.782	(1.000)	255290	40	
$ 23 Nitrobenzene-d5	82.00	5.369	5.388	(0.847)	422058	97	1600
$ 41 2-Fluorobiphenyl	172.00	8.044	8.041	(0.887)	766259	86	1400
$ 72 Terphenyl-d14	244.00	13.982	13.978	(0.895)	652793	97	1600
$ 4 Phenol-d5	99.00	4.297	4.338	(0.945)	673843	130	2100
$ 3 2-Fluorophenol	112.00	3.168	3.255	(0.697)	576012	110	1800
$ 61 2,4,6-Tribromophenol	329.70	10.370	10.388	(0.910)	196806	160	2600

SPL Houston Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: h.i
Lab File ID: h059b02.d
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: LH
Method File: /chem1/h.i/h970303.b/h8270s.m
Misc Info: E059S1/H059B02/H06IC3

Calibration Date: 03/03/97
Calibration Time: 1456

Level: LOW
Sample Type: SOIL

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	% DIFF
11 1,4-Dichlorobenzene-	205085	102542	410170	155816	-24.02
32 Naphthalene-d8	624249	312124	1248498	493180	-21.00
48 Acenaphthene-d10	329143	164572	658286	266266	-19.10
65 Phenanthrene-d10	530319	265160	1060638	410944	-22.51
76 Chrysene-d12	419980	209990	839960	255706	-39.11
83 Perylene-d12	423952	211976	847904	255290	-39.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFF
11 1,4-Dichlorobenzene-	4.53	4.03	5.03	4.55	0.29
32 Naphthalene-d8	6.34	5.84	6.84	6.34	0.03
48 Acenaphthene-d10	9.07	8.57	9.57	9.07	0.02
65 Phenanthrene-d10	11.40	10.90	11.90	11.40	0.02
76 Chrysene-d12	15.63	15.13	16.13	15.63	0.01
83 Perylene-d12	17.77	17.27	18.27	17.79	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

SPL Houston Labs

Data file : /chem1/h.i/h970303.b/h059tl2.d
Lab Smp Id: LCS
Inj Date : 03-MAR-1997 18:54
Operator : LH Inst ID: h.i
Smp Info : METHSPIKE-8270S/1X
Misc Info : E059S1/H059B02/H06IC3
Comment :
Method : /chem1/h.i/h970303.b/h8270sQ.m
Meth Date : 03-Mar-1997 16:52 liping Quant Type: ISTD
Cal Date : 03-MAR-1997 15:51 Cal File: h062ic5.d
Als bottle: 15 QC Sample: MS
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: lcs.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
* 11 1,4-Dichlorobenzene-d4	152.00	4.540	4.541	(1.000)	116379	40	
* 32 Naphthalene-d8	136.00	6.346	6.336	(1.000)	399944	40	
* 48 Acenaphthene-d10	164.00	9.066	9.068	(1.000)	225133	40	
* 65 Phenanthrene-d10	188.00	11.392	11.393	(1.000)	377405	40	
* 76 Chrysene-d12	240.00	15.636	15.626	(1.000)	222396	40	
* 83 Perylene-d12	264.00	17.792	17.782	(1.000)	215857	40	
$ 23 Nitrobenzene-d5	82.00	5.375	5.388	(0.847)	299987	84	1400
$ 41 2-Fluorobiphenyl	172.00	8.039	8.041	(0.887)	583230	77	1300
$ 72 Terphenyl-d14	244.00	13.977	13.978	(0.894)	524575	89	1500
$ 3 2-Fluorophenol	112.00	3.163	3.255	(0.697)	389899	100	1700
$ 4 Phenol-d5	99.00	4.280	4.338	(0.943)	399779	99	1600
$ 61 2,4,6-Tribromophenol	329.70	10.364	10.388	(0.910)	172460	150	2500
5 Phenol	94.00	4.303	4.372	(0.948)	514837	100	1700
9 2-Chlorophenol	128.00	4.371	4.417	(0.963)	435879	110	1900
12 1,4-Dichlorobenzene	146.00	4.563	4.564	(1.005)	337691	78	1300
21 N-Nitroso-di-n-propylamine	70.00	5.183	5.196	(1.142)	206126	95	1600
31 1,2,4-Trichlorobenzene	180.00	6.290	6.291	(0.991)	278997	92	1500
36 4-Chloro-3-methylphenol	107.00	7.430	7.476	(1.171)	372576	130	2200
49 Acenaphthene	153.00	9.123	9.124	(1.006)	481559	77	1300
51 4-Nitrophenol	109.00	9.755	9.926	(1.076)	64014	85	1400
53 2,4-Dinitrotoluene	165.00	9.552	9.576	(1.054)	180434	79	1300
64 Pentachlorophenol	265.50	11.279	11.314	(0.990)	115742	88	1500
71 Pyrene	202.00	13.683	13.684	(0.875)	552003	55	920

SPL Houston Labs

Data file : /chem1/p.i/p970228.b/p059s01.d
Lab Smp Id: 9702A86-02B
Inj Date : 28-FEB-1997 10:33
Operator : PC PC Inst ID: p.i
Smp Info : 9702A86-02B-8270S/1X
Misc Info : E058S1/P058B02/P059CC1
Comment :
Method : /chem1/p.i/p970228.b/p8270sQ.m
Meth Date : 28-Feb-1997 10:22 patti Quant Type: ISTD
Cal Date : 25-FEB-1997 10:15 Cal File: p056ic2.d
Als bottle: 3
Dil Factor: 1.000
Integrator: HP RTE Compound Sublist: 8270.sub
Target Version: 3.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
* 11 1,4-Dichlorobenzene-d4	152.00	4.505	4.643	(1.000)	89897	40	
* 32 Naphthalene-d8	136.00	6.255	6.406	(1.000)	331310	40	
48 Acenaphthene-d10	164.00	8.970	9.132	(1.000)	172678	40	
65 Phenanthrene-d10	188.00	11.273	11.447	(1.000)	265765	40	
* 76 Chrysene-d12	240.00	15.486	15.672	(1.000)	166446	40	
* 83 Perylene-d12	264.00	17.595	17.810	(1.000)	177047	40	
$ 3 2-Fluorophenol	112.00	3.153	3.269	(0.700)	276213	92	1500
$ 4 Phenol-d5	99.00	4.146	4.273	(0.920)	329500	100	1800
$ 61 2,4,6-Tribromophenol	329.70	10.233	10.396	(0.908)	67531	130	2200
$ 23 Nitrobenzene-d5	82.00	5.280	5.419	(0.844)	186413	65	1100
$ 41 2-Fluorobiphenyl	172.00	7.959	8.110	(0.867)	361250	72	1200
$ 72 Terphenyl-d14	244.00	13.888	14.056	(0.897)	303157	60	1000

SPL Houston Labs

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: LCS
Level: LOW
Data Type: MS DATA
SpikeList File: 8270s.spk
Method File: /chem1/p.i/p970228.b/p8270sQ.m
Misc Info: E058S1/P058B02/P059CC1

Client SDG: p970228
Fraction: SV

Operator: PC
SampleType: METHSPIKE
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
5 Phenol	2500	2000	79.91	12-110
9 2-Chlorophenol	2500	2000	81.81	27-123
12 1,4-Dichlorobenzen	1600	1400	89.32	36-97
21 N-Nitroso-di-n-pro	1600	1500	94.38	41-116
31 1,2,4-Trichloroben	1600	1500	91.43	39-98
36 4-Chloro-3-methylp	2500	2000	78.64	23-97
49 Acenaphthene	1600	1500	92.86	46-118
51 4-Nitrophenol	2500	1900	77.36	30-150
53 2,4-Dinitrotoluene	1600	1400	86.73	50-150
64 Pentachlorophenol	2500	2200	88.71	9-103
71 Pyrene	1600	940	58.79	26-127

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 23 Nitrobenzene-d5	1600	1300	79.28	23-120
S 41 2-Fluorobiphenyl	1600	1400	84.60	30-115
$ 72 Terphenyl-d14	1600	990	61.94	18-137
$ 3 2-Fluorophenol	2500	2000	80.08	25-121
S 4 Phenol-d5	2500	1900	77.99	24-113
S 61 2,4,6-Tribromophen	2500	2200	88.41	19-122

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPL Contract:

Lab Code: Case No.:9702A86 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.:B-2 Level(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2500	0	1900	76	12-110
2-Chlorophenol	2500	0	1900	76	27-123
1,4-Dichlorobenzene	1600	0	1300	81	36- 97
N-Nitroso-di-n-prop.(1)	1600	0	1400	88	41-116
1,2,4-Trichlorobenzene	1600	0	1300	81	39- 98
4-Chloro-3-methylphenol	2500	0	1800	72	23- 97
Acenaphthene	1600	0	1300	81	46-118
4-Nitrophenol	2500	0	1900	76	30-150
2,4-Dinitrotoluene	1600	0	1300	81	50-150
Pentachlorophenol	2500	0	2100	84	9-103
Pyrene	1600	0	880	55	26-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1900	76	0	42	12-110
2-Chlorophenol	2500	1800	72	5	40	27-123
1,4-Dichlorobenzene	1600	1300	81	0	28	36- 97
N-Nitroso-di-n-prop.(1)	1600	1500	94	7	38	41-116
1,2,4-Trichlorobenzene	1600	1300	81	0	28	39- 98
4-Chloro-3-methylphenol	2500	1800	72	0	42	23- 97
Acenaphthene	1600	1300	81	0	31	46-118
4-Nitrophenol	2500	1800	72	5	50	30-150
2,4-Dinitrotoluene	1600	1300	81	0	50	50-150
Pentachlorophenol	2500	2100	84	0	50	9-103
Pyrene	1600	890	56	2	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/01/97
Analyzed on: 02/28/97
Analyst: LAR

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Solids
CLP Inorganics SOW

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration % wt	Duplicate Sample % wt	RPD	RPD Max.
9702B85-01A	85	85	0	20

-9703004

Samples in batch:

9702753-01A 9702753-02A 9702753-03A 9702753-04A
9702753-05A 9702753-06A 9702753-07A 9702B85-01A
9702C76-01A

COMMENTS:

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9702195

C- 02472

page 1 of 1

Client Name: Montgomery Watson

Address/Phone: 250 N. Madison Ave., Pasadena, CA

Client Contact: Fred Strauss (818) 568-6582

Project Name: MDRC C-6 Facility, Torrance, CA

Project Number: 1206035.01090010

Project Location: C-6 Facility, Building A Area

Invoice To: Fred Strauss

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	TRPH 418.1	Title 22 Metals							
BA-GS-1-1.5'	2/25/97	1715		X	S	2"x6" SS Sleeve	Approx 120g.	ICE	2	X	X							

Client/Consultant Remarks: 24 hr TAT on TRPH, Standard Otherwise

Laboratory remarks:

Intact? ☒ Y ☐ N

Temp: 2.0

Requested TAT

TRPH only

24hr ☒ 72hr ☐

All others

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Adam W. Norris	2/25/97	1740	2. Received by: SPL Courier George Molano Jr
3. Relinquished by: SPL Courier George Molano Jr	2/25/97	1900	4. Received by: [illegible]
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 45 ughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☒ 1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (7 47-6868

BOE-C6-0084682

SPL Fullerton Environmental Laboratory
Sample Receiving Checklist

9702195

SPL Workorder Number: _____

Date: 2/26/97 Time: 0800

	Yes	No	N/A
1. Chain of Custody Record Present?	✓	*	
2. Chain of Custody Record Properly Completed?	✓	*	
3. Custody Seals on Shipping Container?	✓		
4. Custody Seals on Sample Container?		✓	
5. All Custody Seals Intact?	✓	*	
6. All Samples Received Intact?	✓	*	
7. All Samples Labeled Correctly?	✓	*	
8. Samples are Chilled at 2°C - 6°C	✓	*	

* See Non-Conformance / Sample Condition Notification Form only if box with "*" is checked.

Internal Temperature of Shipping Container 2.0 °C

Samples Were Delivered by:

SPL Courier	George Malano
Client Representative	
Federal Express	
UPS	
DHL	
Other:	

All samples will be disposed 30 days from the report date for this workorder, unless otherwise specified by the client.

Samples Checked by: [signature]

I:\data\forms\loginchk.wpd

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 08/14/97
Sample Description: Soil,
Received: 08/14/97
Analyzed: 08/15/97
Laboratory Reference #: MWI 9454
Reported: 08/15/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080213	BA-RE1-SP1	550
Detection Limit:		8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP1

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/20/97
Reported: 08/21/97

Laboratory Sample Number: 97080213
Laboratory Reference #: MWI 9454

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
Cobalt	6010	80	8000	0.5	11	<---
Copper	6010	25	2500	0.1	15	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	37	<---
Zinc	6010	250	5000	0.1	50	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP1
Laboratory Sample Number: 97080213
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/18/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	50	N.D.	
Bromodichloromethane	75-27-4	50	N.D.	
Bromoform	75-25-2	50	N.D.	
Bromomethane	74-83-9	50	N.D.	
Carbon Disulfide	75-15-0	100	N.D.	
Carbon tetrachloride	56-23-5	50	N.D.	
Chlorobenzene	108-90-7	50	N.D.	
Chlorodibromomethane	124-48-1	50	N.D.	
Chloroethane	75-00-3	50	N.D.	
2-Chloroethyl vinyl ether	110-75-8	100	N.D.	
Chloroform	67-66-3	50	N.D.	
Chloromethane	74-87-3	50	N.D.	
1,1-Dichloroethane	75-34-3	50	N.D.	
1,2-Dichloroethane	107-06-2	50	N.D.	
1,1-Dichloroethene	75-35-4	50	N.D.	
Trans 1,2-Dichloroethene	156-60-5	50	N.D.	
1,2-Dichloropropane	78-87-5	50	N.D.	
cis-1,3-Dichloropropene	10061-01-5	50	N.D.	
trans-1,3-Dichloropropene	10061-02-6	50	N.D.	
Ethylbenzene	100-41-4	50	N.D.	
Methylene chloride	75-09-2	100	N.D.	
Styrene	100-42-5	50	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.	
Tetrachloroethene	127-18-4	50	270	<----
Toluene	108-88-3	50	N.D.	
1,1,1-Trichloroethane	71-55-6	50	N.D.	
1,1,2-Trichloroethane	79-00-5	50	N.D.	
Trichloroethene	79-01-6	50	N.D.	
Trichlorofluoromethane	75-69-4	100	N.D.	
Vinyl acetate	108-05-4	100	N.D.	
Vinyl chloride	75-01-4	50	N.D.	
Total Xylenes	1330-20-7	50	64	<----
Dichlorodifluoromethane	75-71-8	50	N.D.	
cis-1-2,-Dichloroethene	156-59-2	50	N.D.	
2,2-Dichloropropane	594-20-7	50	N.D.	
Bromochloromethane	74-97-5	50	N.D.	
1,1-Dichloropropene	563-58-6	50	N.D.	
Dibromomethane	74-95-3	50	N.D.	
1,2-Dibromoethane	106-93-4	50	N.D.	

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, BA-RE1-SP1
Laboratory Sample #: 97080213

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Isopropylbenzene	98-82-8	50	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.	
1,2,3-Trichloropropane	96-18-4	50	N.D.	
Bromobenzene	108-86-1	50	N.D.	
n-Propylbenzene	103-65-1	50	N.D.	
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	N.D.	
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	62	<----
sec-Butylbenzene	135-98-8	50	N.D.	
4-Isopropyltoluene	99-87-6	50	190	<----
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	N.D.	
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1,2-Dibromo-3-CPA	96-12-8	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	50	N.D.	
Hexachlorobutadiene	87-68-3	50	N.D.	
Naphthalene	91-20-3	50	60	<----
1,2,3-Trichlorobenzene	87-61-6	50	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	102
Toluene-d8	105
4-Bromofluorobenzene	98

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP1
Laboratory Sample Number: 97080213
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/18/97
Reported: 08/21/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	N.D.	
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	2300	<----
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, BA-RE1-SP1
Laboratory Sample #: 97080213

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	100	100	<---
Fluorene	86-73-7	100	N.D.	
Hexachlorobenzene	118-74-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Hexachlorocyclopentadiene	77-47-4	100	N.D.	
Hexachloroethane	67-72-1	100	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.	
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	170	<----
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	N.D.	
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	130	<----
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/15/97
Reported: 08/21/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080214	Rinsate Blank	N.D.
97080215	Equipment Blank	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/20/97
Reported: 08/21/97

Laboratory Sample Number: 97080214
Laboratory Reference #: MWI 9454

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equipment Blank

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/20/97
Reported: 08/21/97

Laboratory Sample Number: 97080215
Laboratory Reference #: MWI 9454

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080214
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/15/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080214

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	93
Toluene-d8	107
4-Bromofluorobenzene	94

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equipment Blank
Laboratory Sample Number: 97080215
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/15/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equipment Blank
Laboratory Sample #: 97080215

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	101
Toluene-d8	106
4-Bromofluorobenzene	99

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97080216
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/15/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080216

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1.2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	97
Toluene-d8	104
4-Bromofluorobenzene	97

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080214
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/18/97
Reported: 08/21/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080214

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equipment Blank
Laboratory Sample Number: 97080215
Laboratory Reference #: MWI 9454

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/18/97
Reported: 08/21/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equipment Blank
Laboratory Sample #: 97080215

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/14/97
Received: 08/14/97
Analyzed: 08/15/97
Reported: 08/21/97

Laboratory Sample Number: 97080214
Laboratory Reference #: MWI 9454

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
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Client Project ID: McDonnell Douglas
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Sample Description: Water, Equipment Blank

Sampled: 08/14/97
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ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Sample Description: Water, Rinsate Blank

Sampled: 08/14/97
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Reported: 08/21/97

Laboratory Sample Number: 97080214
Laboratory Reference #: MWI 9454

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Sample Description: Water, Equipment Blank

Sampled: 08/14/97
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Laboratory Sample Number: 97080215
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PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/15/97
Laboratory Sample No : 97080181
Laboratory Reference No : MWI 9454

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	99	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9454

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.3	92	92	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/20/97
Laboratory Sample No : 97080213
Laboratory Reference No : MWI 9454

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	27.0	97	90	7
Arsenic	0.0	10.0	9.4	8.7	94	87	8
Barium	14.0	10.0	23.7	22.2	97	82	7
Beryllium	0.00	1.00	0.99	1.00	99	100	1
Cadmium	0.00	1.00	1.00	0.94	100	94	6
Chromium (Total)	3.10	5.00	7.40	7.30	86	84	1
Chromium (VI)	0.00	1.00	0.86	0.83	86	83	4
Cobalt	1.10	1.00	2.00	2.00	90	90	0
Copper	1.50	1.00	2.35	2.30	85	80	2
Lead	0.00	10.0	8.4	8.0	84	80	5
Mercury	0.000	0.020	0.017	0.017	85	85	0
Molybdenum	0.0	10.0	9.7	9.6	97	96	1
Nickel	1.20	5.00	5.5	5.2	86	80	6
Selenium	0.0	10.0	10.1	9.4	101	94	7
Silver	0.0	5.0	3.7	3.8	74	76	3
Thallium	0.0	20.0	19.0	18.0	95	90	5
Vanadium	3.7	5.0	8.2	8.2	90	90	0
Zinc	5.0	5.0	9.3	9.3	86	86	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/20/97
Laboratory Sample No : 97080189
Laboratory Reference No : MWI 9454

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.60	3.40	120	113	6
Arsenic	0.00	1.00	1.20	1.15	120	115	4
Barium	0.000	0.100	0.116	0.110	116	110	5
Beryllium	0.00	0.100	0.120	0.119	120	119	1
Cadmium	0.00	0.100	0.120	0.120	120	120	0
Chromium (VI)	0.00	0.50	0.49	0.48	98	96	2
Chromium (Total)	0.00	0.100	0.110	0.108	110	108	2
Cobalt	0.00	0.100	0.120	0.105	120	105	13
Copper	0.000	0.100	0.100	0.111	100	111	10
Lead	0.00	1.00	1.20	1.16	120	116	3
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	1.00	1.16	1.20	116	120	3
Nickel	0.00	0.50	0.58	0.60	116	120	3
Selenium	0.00	1.00	1.20	1.20	120	120	0
Silver	0.00	0.50	0.58	0.57	116	114	2
Thallium	0.00	3.00	3.60	3.50	120	117	3
Vanadium	0.00	0.50	0.56	0.52	112	104	7
Zinc	0.000	0.100	0.112	0.111	112	111	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/18/97
Laboratory Sample No : 97080229
Laboratory Reference No : MWI 9454

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	46	104	92	12
1,1-Dichloroethene	0.0	50	56	49	112	98	13
Trichloroethene	0.0	50	55	49	110	98	12
Toluene	0.0	50	55	49	110	98	12
Chlorobenzene	0.0	50	51	45	102	90	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/15/97
Laboratory Sample No : 97080216
Laboratory Reference No : MWI 9454

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	19	90	95	5
1,1-Dichloroethene	0.0	20	17	19	85	95	11
Trichloroethene	0.0	20	16	17	80	85	6
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	0.0	20	18	18	90	90	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/18/97
Laboratory Sample No : 97080229
Laboratory Reference No : MWI 9454

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	53	51	106	102	4
1,2,4-Trichlorobenzene	0.0	50	46	46	92	92	0
Acenaphthene	0.0	50	44	45	88	90	2
Pyrene	0.0	50	45	44	90	88	2
Pentachlorophenol	0.0	100	82	80	82	80	2
4-Chloro-3-Methylphenol	0.0	100	85	80	85	80	6
2-Chlorophenol	0.0	100	79	77	79	77	3
Phenol	0.0	100	70	68	70	68	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9454

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	36	35	72	70	3
n-Nitroso-di-n-propylamine	0.0	50	46	43	92	86	7
1,2,4-Trichlorobenzene	0.0	50	41	41	82	82	0
Acenaphthene	0.0	50	46	43	92	86	7
Pyrene	0.0	50	49	49	98	98	0
Pentachlorophenol	0.0	100	88	77	88	77	13
4-Chloro-3-Methylphenol	0.0	100	83	75	83	75	10
2-Chlorophenol	0.0	100	78	71	78	71	9
Phenol	0.0	100	31	28	31	28	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9454

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	14	12	70	60	15

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9454

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.48	0.53	48	53	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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Tustin, CA 92680
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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: 24 hr TAT on TRPH analysis for BA-RE1-SP1 only. Standard TAT otherwise.

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave
Pasadena, CA 91101
PHONE: 818.568.6582 FAX: 818.796.5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave.
Los Angeles, CA
SAMPLED BY: IV/AWN/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
BA-RE1-SP1	2	08/14/97	1415	SOIL	2"x6" ss sleeve	ICE	X	X	X	X					
RINSATE BLANK	7	08/14/97	1515	WATER	4 amber 2 poly 2 VOAs	none HNO3 HCl	X	X	X	X	X	X			
EQUIPMENT BLANK	7	08/14/97	1500	↓	↓	↓	X	X	X	X	X	X			
TRIP BLANK	2	08/14/97	—	↓	VOAs	HCl			X						

Total No. of Samples: 4

Method of Shipment: 1 Cooler via Orange Coast courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/14/97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 8/14/97 16:00

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact ✓ on ice _____

All samples remain the property of the client who is responsible for sal. A disposal fee may be imposed if client fails to pickup samples.

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LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.0109001

Project Name: The Boeing Company

Laboratory Reference: MWI 9638

Analytical Method: EPA 418.1, 8260, 8270, 8080, Title 22 Metals

Date Sampled: 10/09/97
Date Received: 10/09/97
Date Reported: 10/20/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

MWI 9638

												QC(S)			
							SAMP TYPE	S	W	W	W				
							RES CODE	PP01	BF11	BR11	BT11				
							SAMP ID	BA-RE1-SP1A	EQUIP BLANK	RINSATE BLANK	TRIP BLANK				
							SAMP DATE	10/09/97	10/09/97	10/09/97	10/09/97				
							SAMP TIME	10:23	14:45	15:00					
							SAMP DEPTH								
							PRESERVED		N, H	N, H	N, H				
							ICED	Y	Y	Y	Y				
							RECEIVED	10/09/97	10/09/97	10/09/97	10/09/97				
							REC TIME	15:00	15:00	15:00	15:00				
							BASIS	W	W	W	W				
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100180	97100181	97100182	97100183	LAB SAMP NO	R1	T CONC	SL
							Tested		10/10/97	10/10/97					
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons		<	<					
							Tested		10/13/97	10/13/97					
6010	5.0	0.5		T		ppm	Antimony		<	<					
6010	1.0	0.1		T		ppm	Arsenic		<	<					
6010	0.1	0.01		T		ppm	Barium		<	<					
6010	0.1	0.01		T		ppm	Beryllium		<	<					
6010	0.1	0.01		T		ppm	Cadmium		<	<					
							Tested		10/10/97	10/10/97					
7196	0.5	0.01		T		ppm	Chromium (VI)		<	<					
							Tested		10/13/97	10/13/97					
6010	0.1	0.01		T		ppm	Chromium Total		<	<					
6010	0.5	0.1		T		ppm	Cobalt		<	<					
6010	0.1	0.01		T		ppm	Copper		<	<					
6010	1.0	0.1		T		ppm	Lead		<	<					
							Tested		10/14/97	10/14/97					
7471	0.01	0.002		T		ppm	Mercury		<	<					
							Tested		10/13/97	10/13/97					
6010	0.5	0.1		T		ppm	Molybdenum		<	<					
6010	0.5	0.1		T		ppm	Nickel		<	<					
6010	1.0	0.1		T		ppm	Selenium		<	<					
6010	0.1	0.1		T		ppm	Silver		<	<					
6010	5.0	0.5		T		ppm	Thallium		<	<					
6010	0.5	0.1		T		ppm	Vanadium		<	<					
6010	0.1	0.01		T		ppm	Zinc		<	<					
							Tested		10/13/97	10/13/97	10/13/97				
							Dilution Factor		1	1	1				
8260	2.5	0.5	71-43-2	T		ppb	Benzene		<	<	<				

BOE-C6-0084719

8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane		<	<	<					
8260	2.5	0.5	75-25-2	T		ppb	Bromoform		<	<	<					
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane		<	<	<					
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide		<	<	<					
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride		<	<	<					
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene		<	<	<					
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane		<	<	<					
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane		<	<	<					
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether		<	<	<					
8260	2.5	0.5	67-66-3	T		ppb	Chloroform		<	<	<					
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane		<	<	<					
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane		<	<	<					
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane		<	<	<					
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene		<	<	<					
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene		<	<	<					
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane		<	<	<					
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene		<	<	<					
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene		<	<	<					
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene		<	<	<					
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride		<	<	<					
8260	2.5	0.5	100-42-5	T		ppb	Styrene		<	<	<					
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane		<	<	<					
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene		<	<	<					
8260	2.5	0.5	108-88-3	T		ppb	Toluene		<	<	<					
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane		<	<	<					
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane		<	<	<					
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene		<	<	<					
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane		<	<	<					
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate		<	<	<					
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride		<	<	<					
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes		<	<	<					
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane		<	<	<					
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene		<	<	<					
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane		<	<	<					
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane		<	<	<					
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene		<	<	<					
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane		<	<	<					
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane		<	<	<					
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane		<	<	<					
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene		<	<	<					
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane		<	<	<					
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane		<	<	<					
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene		<	<	<					
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene		<	<	<					
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene		<	<	<					
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene		<	<	<					

BOE-C6-0084720

8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene		<	<	<					
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene		<	<	<					
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene		<	<	<					
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene		<	<	<					
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene		<	<	<					
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene		<	<	<					
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene		<	<	<					
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene		<	<	<					
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene		<	<	<					
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA		<	<	<					
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene		<	<	<					
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene		<	<	<					
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene		<	<	<					
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene		<	<	<					
					T	%	Dibromofluoromethane		101	106	106					
					T	%	Toluene-d8		91	92	91					
					T	%	4-Bromofluorobenzene		96	98	96					
							Tested		10/10/97	10/10/97						
							Dilution Factor		1	1						
8270	100	5.0	83-32-9	T		ppb	Acenaphthene		<	<						
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene		<	<						
8270	100	5.0	62-53-3	T		ppb	Aniline		<	<						
8270	100	5.0	120-12-7	T		ppb	Anthracene		<	<						
8270	500	50	65-85-0	T		ppb	Benzoic Acid		<	<						
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene		<	<						
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene		<	<						
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene		<	<						
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene		<	<						
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene		<	<						
8270	100	50	100-51-6	T		ppb	Benzyl alcohol		<	<						
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane		<	<						
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether		<	<						
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether		<	<						
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate		<	<						
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether		<	<						
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate		<	<						
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline		<	<						
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene		<	<						
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol		<	<						
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol		<	<						
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter		<	<						
8270	100	5.0	218-0109	T		ppb	Chrysene		<	<						
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene		<	<						
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran		<	<						

BOE-C6-0084721

8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate		<	<					
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene		<	<					
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene		<	<					
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene		<	<					
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine		<	<					
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol		<	<					
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate		<	<					
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol		<	<					
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate		<	<					
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol		<	<					
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol		<	<					
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene		<	<					
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene		<	<					
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate		<	<					
8270	100	5.0	206-44-0	T		ppb	Fluoranthene		<	<					
8270	100	5.0	86-73-7	T		ppb	Fluorene		<	<					
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene		<	<					
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene		<	<					
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene		<	<					
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane		<	<					
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene		<	<					
8270	100	5.0	78-59-1	T		ppb	Isophorone		<	<					
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene		<	<					
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol		<	<					
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol		<	<					
8270	100	5.0	91-20-3	T		ppb	Naphthalene		<	<					
8270	250	50	88-74-4	T		ppb	2-Nitroaniline		<	<					
8270	250	50	99-09-2	T		ppb	3-Nitroaniline		<	<					
8270	250	50	100-01-6	T		ppb	4-Nitroaniline		<	<					
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene		<	<					
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol		<	<					
8270	100	50	100-02-7	T		ppb	4-Nitrophenol		<	<					
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine		<	<					
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine		<	<					
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine		<	<					
8270	250	50	87-86-5	T		ppb	Pentachlorophenol		<	<					
8270	100	5.0	85-01-8	T		ppb	Phenanthrene		<	<					
8270	100	5.0	108-95-2	T		ppb	Phenol		<	<					
8270	100	5.0	129-00-0	T		ppb	Pyrene		<	<					
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene		<	<					
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol		<	<					
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol		<	<					
							Tested	10/10/97	10/17/97	10/17/97		10/10/97			
							Dilution Factor	1	1	1					
8080	20	5.0	12674-11-2	T		ppb	PCB-1016	<	<	<					

BOE-C6-0084722

8080	20	5.0	11104-28-2	T		ppb	PCB-1221	<	<	<					
8080	20	5.0	11141-16-5	T		ppb	PCB-1232	<	<	<					
8080	20	5.0	53469-21-9	T		ppb	PCB-1242	<	<	<					
8080	20	5.0	12672-29-6	T		ppb	PCB-1248	<	<	<					
8080	20	5.0	11097-69-1	T		ppb	PCB-1254	<	<	<					
8080	20	5.0	11096-82-5	T		ppb	PCB-1260	<	<	<		97100101	0.0	250	52
							Tested		10/17/97	10/17/97					
						.	***Dilution Factor***		1	1					
8080	1.0	0.1	309-00-2	T		ppb	Aldrin		<	<					
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC		<	<					
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC		<	<					
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC		<	<					
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)		<	<					
8080	10	0.2	57-74-9	T		ppb	Chlordane		<	<					
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD		<	<					
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE		<	<					
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT		<	<					
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin		<	<					
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I		<	<					
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II		<	<					
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate		<	<					
8080	2.0	0.02	72-20-8	T		ppb	Endrin		<	<					
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde		<	<					
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor		<	<					
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide		<	<					
8080	30	9.0	72-43-5	T		ppb	Methoxychlor		<	<					
8080	35	0.5	8001-35-2	T		ppb	Toxaphene		<	<					

BOE-C6-0084723

				QC(W)							
DL	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
				10/10/97							
				OCA 100	0.0	2.5	2	1.9	80	76	5
				10/13/97							
				97100182	0.00	3.00	3.00	3.00	100	100	0
				97100182	0.00	1.00	1.10	1.20	110	120	9
				97100182	0.000	1.00	1.100	1.100	110	110	0
				97100182	0.00	0.10	0.11	0.10	110	100	10
				97100182	0.00	0.100	0.11	0.11	110	110	0
				10/10/97							
				OCA 100	0.00	0.50	0.46	0.48	92	96	4
				10/13/97							
				97100182	0.00	0.50	0.56	0.60	112	120	7
				97100182	0.00	0.100	0.087	0.09	87	87	0
				97100182	0.000	0.100	0.094	0.090	94	90	4
				97100182	0.00	1.00	1.10	0.95	110	95	15
				10/14/97							
				OCA 100	0.000	0.020	0.020	0.021	100	105	5
				10/10/97							
				97100182	0.00	1.00	1.10	1.00	110	100	10
				97100182	0.00	0.50	0.46	0.49	92	98	6
				97100182	0.00	1.00	1.20	1.10	120	110	9
				97100182	0.00	0.50	0.52	0.53	104	106	2
				97100182	0.00	3.00	3.20	3.30	107	110	3
				97100182	0.00	0.50	0.52	0.52	104	104	0
				97100182	0.00	0.50	0.62	0.62	124	124	0
				10/13/97							
				97100183	0.0	20	18	18	90	90	0

BOE-C6-0084724

				97100183	0.0	20	18	18	90	90	0
				97100183	0.0	20	19	19	95	95	0
				97100183	0.0	20	18	18	90	90	0
				97100183	0.0	20	18	18	90	90	0

BOE-C6-0084725

				10/10/97								
				OCA 100	0.0	50	38	43	76	86	12	
				OCA 100	0.0	100	65	72	65	72	10	
					0.0	100	66	72	66	72	9	

BOE-C6-0084726

					0.0	50	26	29	52	58	11
					0.0	50	36	35	72	70	3
					0.0	100	68	72	68	72	6
					0.0	100	22	27	22	27	20
					0.0	50	40	46	80	92	14
					0.0	50	28	33	56	66	16
				10/17/97							

BOE-C6-0084727

65	21	26	22	OCA 100 10/17/97	0.0	20	8.8	11	44	55	22
				OCA 100	0.0	1.0	0.80	0.72	80	72	11

BOE-C6-0084728

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24 HR TAT ON SOIL PCB ONLY.
REQUIRED TAT: STANDARD TAT OTHERWISE

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N Madison Ave.	LOCATION: C-6 Facility.
Pasadena, CA 91101	ADDRESS: 19503 S Normandie Ave. Los Angeles, CA
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IVICW

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
BA-REI-SP1A	2	10/9/97	1023	Soil	2 1"x6" SS sleeves	Ice					X				Rush TAT (24hr or As
Equipment Blank	7	10/9/97	1445	Water	4 amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	10/9/97	1500	Water	4 amber 1 poly 2 VOAs	↓	X	X	X	X	X	X			
Trip Blank	2	10/9/97	—	Water	2 VOAs	HCL ↓			X						

Total No. of Samples: 4

Method of Shipment: 1 cooler via Orange Coast Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vega	10/9/97 1500		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Ana Marino	Date/Time: 10/9/97 15:00

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084729

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/07/97
Reported: 10/07/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97100124	BA-RE1-SP2	54
97100125	BA-RE1-SP3	150

Detection Limit:	8.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP2

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/07-08/97
Reported: 10/09/97

Laboratory Sample Number: 97100124
Laboratory Reference #: MWI 9626

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	12
Barium	6010	100	10000	0.1	120
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	31
Cobalt	6010	80	8000	0.5	11
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	15
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	32
Zinc	6010	250	5000	0.1	44

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP3

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/7-08/97
Reported: 10/09/97

Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	16
Barium	6010	100	10000	0.1	93
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	34
Cobalt	6010	80	8000	0.5	9.7
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	17
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	29
Zinc	6010	250	5000	0.1	45

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP2
Laboratory Sample Number: 97100124
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	3.2
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, BA-RE1-SP2
Laboratory Sample #: 97100124

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	104
Toluene-d8	97
4-Bromofluorobenzene	95

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) ***(continued)***

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample #: 97100125

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	100
Toluene-d8	96
4-Bromofluorobenzene	94

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP2
Laboratory Sample Number: 97100124
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, BA-RE1-SP2
Laboratory Sample #: 97100124

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample #: 97100125

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/10/97
Reported: 10/13/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97100126	Equipment Blank	N.D.
97100127	Rinsate Blank	N.D.

Detection Limit:	0.5

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/07-09-13/97
Reported: 10/13/97

Laboratory Sample Number: 97100126
Laboratory Reference #: MWI 9626

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Comapny
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/07-09-13/97
Reported: 10/13/97

Laboratory Sample Number: 97100127
Laboratory Reference #: MWI 9626

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97100126
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97100126

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	104
Toluene-d8	95
4-Bromofluorobenzene	99

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97100127
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97100127

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	105
Toluene-d8	94
4-Bromofluorobenzene	99

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97100128
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97100128

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	104
Toluene-d8	95
4-Bromofluorobenzene	98

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97100126
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	53
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97100126

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/13/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97100127
Laboratory Reference #: MWI 9626

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97100127

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/08/97
Reported: 10/13/97

Laboratory Sample Number: 97100126
Laboratory Reference #: MWI 9626

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/08/97
Reported: 10/13/97

Laboratory Sample Number: 97100127
Laboratory Reference #: MWI 9626

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/08/97
Reported: 10/13/97

Laboratory Sample Number: 97100126
Laboratory Reference #: MWI 9626

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 10/09/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9626

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	31	30	62	60	3
n-Nitroso-di-n-propylamine	0.0	50	41	42	82	84	2
1,2,4-Trichlorobenzene	0.0	50	34	34	68	68	0
Acenaphthene	0.0	50	40	41	80	82	2
Pyrene	0.0	50	40	41	80	82	2
Pentachlorophenol	0.0	100	71	74	71	74	4
4-Chloro-3-Methylphenol	0.0	100	72	71	72	71	1
2-Chlorophenol	0.0	100	70	70	70	70	0
Phenol	0.0	100	26	26	26	26	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 10/09/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9626

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	33	32	66	64	3
n-Nitroso-di-n-propylamine	0.0	50	36	36	72	72	0
1,2,4-Trichlorobenzene	0.0	50	37	35	74	70	6
Acenaphthene	0.0	50	38	36	76	72	5
Pyrene	0.0	50	36	36	72	72	0
Pentachlorophenol	0.0	100	68	69	68	69	1
4-Chloro-3-Methylphenol	0.0	100	65	70	65	70	7
2-Chlorophenol	0.0	100	60	60	60	60	0
Phenol	0.0	100	57	58	57	58	2

Definition of Terms :

R1	Results Of First Analysis
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MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 10/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9626

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	2.5	2.0	1.9	80	76	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 10/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9626

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.46	0.36	46	36	24

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 10/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9626

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	8.4	7.5	42	38	11

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 10/07/97
Laboratory Sample No : 97100055
Laboratory Reference No : MWI 9626

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	109	110	109	110	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 10/07/97-10/08/97-10/09/97
Laboratory Sample No : 97100057-97100125
Laboratory Reference No : MWI 9626

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.0	30.0	30.0	100	100	0
Arsenic	0.97	10.0	12.0	12.0	110	110	0
Barium	7.5	10.0	18.0	18.0	105	105	0
Beryllium	0.00	1.00	1.10	1.10	110	110	0
Cadmium	0.00	1.00	0.99	0.98	99	98	1
Chromium (Total)	2.60	5.00	7.60	7.70	100	102	1
Chromium (VI)	0.00	1.00	1.00	0.96	100	96	4
Cobalt	0.75	1.00	1.70	1.90	95	115	11
Copper	0.93	1.00	1.90	2.00	97	107	5
Lead	0.00	10.0	9.30	8.80	93	88	6
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	10.0	10.0	10.0	100	100	0
Nickel	1.00	5.0	5.7	5.9	94	98	3
Selenium	0.00	10.0	9.7	10.0	97	100	3
Silver	0.00	5.0	4.4	4.2	88	84	5
Thallium	0.00	30.0	26.0	26.0	87	87	0
Vanadium	2.60	5.0	7.9	8.1	106	110	2
Zinc	3.10	5.0	8.1	8.1	100	100	0

Definition of Terms :

R1	Results Of First Analysis
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MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 10/07/97-10/09/97-10/13/97
Laboratory Sample No : 97100127-97100182-OCA 100
Laboratory Reference No : MWI 9626

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.00	3.00	100	100	0
Arsenic	0.00	1.00	1.10	1.20	110	120	9
Barium	0.00	1.00	1.10	1.10	110	110	0
Beryllium	0.00	0.100	0.110	0.100	110	100	10
Cadmium	0.00	0.100	0.110	0.110	110	110	0
Chromium (VI)	0.00	0.50	0.50	0.45	100	90	11
Chromium (Total)	0.00	0.50	0.560	0.600	112	120	7
Cobalt	0.00	0.100	0.087	0.087	87	87	0
Copper	0.00	0.100	0.094	0.090	94	90	4
Lead	0.00	1.00	1.10	0.95	110	95	15
Mercury	0.000	0.020	0.021	0.021	105	105	0
Molybdenum	0.00	1.00	1.10	1.00	110	100	10
Nickel	0.00	0.50	0.46	0.49	92	98	6
Selenium	0.00	1.00	1.20	1.10	120	110	9
Silver	0.00	0.50	0.52	0.53	104	106	2
Thallium	0.00	3.00	3.20	3.30	107	110	3
Vanadium	0.00	0.50	0.52	0.52	104	104	0
Zinc	0.000	0.500	0.620	0.620	124	124	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/07/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9626

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	49	96	98	2
1,1-Dichloroethene	0.0	50	49	50	98	100	2
Trichloroethene	0.0	50	47	48	94	96	2
Toluene	0.0	50	47	49	94	98	4
Chlorobenzene	0.0	50	49	50	98	100	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 10/09/97
Laboratory Sample No : 97100128
Laboratory Reference No : MWI 9626

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	17	17	85	85	0
1,1-Dichloroethene	0.0	20	19	18	95	90	5
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	17	18	85	90	6
Chlorobenzene	0.0	20	17	18	85	90	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
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PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of ____

24 TAT on SOIL TRPH ONLY
REQUIRED TAT: STANDARD TAT OTHERWISE

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101	LOCATION: C-6 Facility
	ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
BA-RE1-SP2	2	10/06/97	1127	SOIL	2"x6" ss sleeve	ICE	X	X	X	X					
BA-RE1-SP3	2	10/06/97	1155	SOIL	↓		X	X	X	X					
EQUIPMENT BLANK	7	10/06/97	1430	WATER	4 amber 1 poly 2 VOAs	none HNO3 HCl	X	X	X	X	X	X			
RINSATE BLANK	7	10/06/97	1445	WATER	↓	↓	X	X	X	X	X	X			
TRIP BLANK	2	10/06/97	—	WATER	2 VOAs	HCl			X						

Total No. of Samples: 5

Method of Shipment: 1 cooler via Orange Coast courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	10/6/97 1515		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 10/6/97 15:15

Reporting Format: (check)
NORMAL ____ S.D. HMMD ____
RWQCB ____ OTHER ____

Sample Integrity: (check)
intact ____ on ice ____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084768

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LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

Laboratory Certification
(ELAP) No.: 1416 Expiration Date: 1999

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9845

Analytical Method: EPA 8260, 8270, Title 22 Metals

Date Sampled: 12/29/97
Date Received: 12/29/97
Date Reported: 01/05/98

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM								
							SAMP TYPE	S	S	W	W	W	S	S	S
							RES CODE	PP01	PP01	BF11	BR11	BT11	PP01	PP01	PP01
							SAMP ID	PH-LTU-2A-GS-1	PH-LTU-2-GS-1	EQUIP BLANK	RINSATE BLANK	TRIP BLANK	B41-LTU-1-GS-1	BA-LTU-2-GS-1	BA-LTU-1-GS-1
							SAMP DATE	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97
							SAMP TIME	13:20	13:30	13:50	14:00		14:30	14:35	14:40
							SAMP DEPTH	1'	1'						
							PRESERVED			, N, H	, N, H	, N, H			
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97
							REC TIME	14:55	14:55	14:55	14:55	14:55	14:55	14:55	14:55
							BASIS	W	W	W	W	W	W	W	W
							LAB CHEM	97120565	97120566	97120567	97120568	97120569	97120570	97120571	97120572
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<		<	<	<
6010	1.0	0.1		T		ppm	Arsenic	14	3.5	<	<		7.9	3.1	3.8
6010	0.1	0.01		T		ppm	Barium	79	23	<	<		91	110	100
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<		<	<	<
6010	0.1	0.01		T		ppm	Cadmium	1.2	1.3	<	<		0.9	1.6	1.3
							Tested	12/30/97	12/30/97	12/30/97	12/30/97		12/31/97	12/30/97	12/30/97
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.1	0.01		T		ppm	Chromium Total	15	15	<	<		12	15	15
6010	0.5	0.1		T		ppm	Cobalt	7.0	8.3	<	<		6.8	10	9.1
6010	0.1	0.01		T		ppm	Copper	14	18	<	<		15	15	17
6010	1.0	0.1		T		ppm	Lead	4.4	2.1	<	<		3.5	4.2	3.6
							Tested	12/31/97	12/31/97	12/31/97	12/31/97		12/31/97	12/31/97	12/31/97
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<		<	<	<
6010	0.5	0.1		T		ppm	Nickel	9.9	14	<	<		9.5	9.8	11
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<		<	<	<
6010	0.1	0.1		T		ppm	Silver	<	<	<	<		<	<	<
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<		<	<	<
6010	0.5	0.1		T		ppm	Vanadium	27	17	<	<		24	29	29
6010	0.1	0.01		T		ppm	Zinc	34	27	<	<		30	32	39
							Tested								
STLC		5.0		S		ppm	Antimony								
		1.0		S		ppm	Arsenic								
		0.1		S		ppm	Barium								
		0.1		S		ppm	Beryllium								
		0.1		S		ppm	Cadmium								
		0.5		S		ppm	Chromium (VI)								
		0.1		S		ppm	Chromium Total								
		0.5		S		ppm	Cobalt								
		0.1		S		ppm	Copper								

BOE-C6-0084770

		1.0		S		ppm	Lead								
		0.01		S		ppm	Mercury								
		0.5		S		ppm	Molybdenum								
		0.5		S		ppm	Nickel								
		1.0		S		ppm	Selenium								
		0.1		S		ppm	Silver								
		5.0		S		ppm	Thallium								
		0.5		S		ppm	Vanadium								
		0.1		S		ppm	Zinc								
							Tested								
TCLP		5.0		C		ppm	Antimony								
		1.0		C		ppm	Arsenic								
		0.1		C		ppm	Barium								
		0.1		C		ppm	Beryllium								
		0.1		C		ppm	Cadmium								
		0.5		C		ppm	Chromium (VI)								
		0.1		C		ppm	Chromium Total								
		0.5		C		ppm	Cobalt								
		0.1		C		ppm	Copper								
		1.0		C		ppm	Lead								
		0.01		C		ppm	Mercury								
		0.5		C		ppm	Molybdenum								
		0.5		C		ppm	Nickel								
		1.0		C		ppm	Selenium								
		0.1		C		ppm	Silver								
		5.0		C		ppm	Thallium								
		0.5		C		ppm	Vanadium								
		0.1		C		ppm	Zinc								
							Tested	12/30/97	12/30/97	12/30/97	12/30/97	12/31/97	12/30/97	12/30/97	12/30/97
							Dilution Factor	1	1	1	1	1	1	1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<	<	<	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<	<	<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<	<	<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<	<	<	<

BOE-C6-0084771

8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<	<	<	<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<	<	<	<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<	<	<	<
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<	<	<	<
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	<	<	<	<	<	<	<	<
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<	<	<	<
					T	%	Dibromofluoromethane	107	108	107	108	106	104	105	107
					T	%	Toluene-d8	103	105	96	96	97	103	107	105
					T	%	4-Bromofluorobenzene	100	101	108	105	105	96	98	98
							Tested	12/30/97	12/30/97	12/30/97	12/30/97		01/02/98	12/30/97	12/30/97
							Dilution Factor	1	1	1	1		1	1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<		<	<	<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<		<	<	<
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<		<	<	<
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<		<	<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<		<	<	<

BOE-C6-0084772

8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	130	<	<	<		<	<	<
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<		<	<	<
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<		<	<	<
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<		<	<	<
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<		<	<	<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<		<	<	<
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<		<	<	<
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<		<	<	<
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<		<	<	<
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<		<	<	<
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<		<	<	<
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<		<	<	<
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<		<	<	<
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<	<	<		<	<	<
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<		<	<	<
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<	<	<		<	<	<
8270	100	5.0	218-0109	T		ppb	Chrysene	210	<	<	<		<	<	<
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<		<	<	<
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<		<	<	<
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<	<	<		<	<	<
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<	<	<		<	<	<
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<	<	<		<	<	<
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<	<	<		<	<	<
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<	<	<		<	<	<
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<	<	<		<	<	<
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<	<	<		<	<	<
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene	<	<	<	<		<	<	<
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate	<	<	<	<		<	<	<
8270	100	5.0	206-44-0	T		ppb	Fluoranthene	130	<	<	<		<	<	<
8270	100	5.0	86-73-7	T		ppb	Fluorene	<	<	<	<		<	<	<
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<		<	<	<
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene	<	<	<	<		<	<	<
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane	<	<	<	<		<	<	<
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene	<	<	<	<		<	<	<
8270	100	5.0	78-59-1	T		ppb	Isophorone	<	<	<	<		<	<	<
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene	<	<	<	<		<	<	<
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol	<	<	<	<		<	<	<
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol	<	<	<	<		<	<	<
8270	100	5.0	91-20-3	T		ppb	Naphthalene	<	<	<	<		<	<	<
8270	250	50	88-74-4	T		ppb	2-Nitroaniline	<	<	<	<		<	<	<
8270	250	50	99-09-2	T		ppb	3-Nitroaniline	<	<	<	<		<	<	<
8270	250	50	100-01-6	T		ppb	4-Nitroaniline	<	<	<	<		<	<	<
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene	<	<	<	<		<	<	<
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol	<	<	<	<		<	<	<
8270	100	50	100-02-7	T		ppb	4-Nitrophenol	<	<	<	<		<	<	<
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine	<	<	<	<		<	<	<

BOE-C6-0084773

8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine	<	<	<	<		<	<	<
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<	<	<		<	<	<
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<	<	<		<	<	<
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<	<	<	<		<	<	<
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<		<	<	<
8270	100	5.0	129-00-0	T		ppb	Pyrene	410	<	<	<		130	<	<
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<		<	<	<
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<		<	<	<
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<		<	<	<
							Tested								
							Dilution Factor								
8080	20	5.0	12674-11-2	T		ppb	PCB-1016								
8080	20	5.0	11104-28-2	T		ppb	PCB-1221								
8080	20	5.0	11141-16-5	T		ppb	PCB-1232								
8080	20	5.0	53469-21-9	T		ppb	PCB-1242								
8080	20	5.0	12672-29-6	T		ppb	PCB-1248								
8080	20	5.0	11097-69-1	T		ppb	PCB-1254								
8080	20	5.0	11096-82-5	T		ppb	PCB-1260								
							Tested								
							Dilution Factor								
8080	1.0	0.1	309-00-2	T		ppb	Aldrin								
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC								
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC								
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC								
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)								
8080	10	0.2	57-74-9	T		ppb	Chlordane								
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD								
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE								
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT								
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin								
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I								
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II								
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate								
8080	2.0	0.02	72-20-8	T		ppb	Endrin								
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde								
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor								
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide								
8080	30	9.0	72-43-5	T		ppb	Methoxychlor								
8080	35	0.5	8001-35-2	T		ppb	Toxaphene								
							Tested								
8015m				T		ppm	Up to & Including C-12								
8015m				T		ppm	C13-22								
8015m				T		ppm	C23 & Higher								
8015m	8.0	0.5		T		ppm	Total								
							Tested								
8015m	8.0	0.5		T		ppm	Diesel								
							Tested								
8015m	5.0	0.05		T		ppm	Gas								

BOE-C6-0084774

9060	5.0	1.0		T		ppm	*Tested* TOC									
9081	1.0	1.0		T		ppm	*Tested* Cation Exchange Capacity									

(a) QC units for Method 8270 are reported in ng.

BOE-C6-0084775

QC(S)								QC(W)							
LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD
01/02/98								01/02/98							
97120565	0.0	5.0	5.1	5.0	102	100	2	97120567	0.00	3.00	3.07	3.08	102	103	0
97120565	1.4	5.0	6.5	6.3	102	98	3	97120567	0.00	1.00	1.00	1.00	100	100	0
97120565	7.9	5.0	13.4	12.9	110	100	4	97120567	0.000	0.100	0.084	0.084	84	84	0
97120565	0.00	1.00	0.93	0.89	93	89	4	97120567	0.00	0.100	0.095	0.096	95	96	1
97120565	0.12	1.00	0.98	0.95	86	83	3	97120567	0.00	0.100	0.093	0.094	93	94	1
12/30/97								12/30/97							
97120572	0.00	1.00	1.00	1.00	100	100	0	97120567	0.00	0.50	0.51	0.50	102	100	2
01/02/98								01/02/98							
97120565	1.50	1.00	2.47	2.38	97	88	4	97120567	0.00	0.100	0.094	0.094	94	94	0
97120565	0.70	1.00	1.59	1.53	89	83	4	97120567	0.00	0.100	0.096	0.096	96	96	0
97120565	1.40	1.00	2.37	2.28	97	88	4	97120567	0.000	0.100	0.096	0.098	96	98	2
97120565	0.44	1.0	1.2	1.2	76	76	0	97120567	0.00	1.00	0.96	0.95	96	95	1
12/31/97								12/31/97							
97120565	0.000	0.020	0.022	0.024	110	120	9	OCA 100	0.000	0.020	0.019	0.019	95	95	0
01/02/98								01/02/98							
97120565	0.0	1.0	0.95	0.92	95	92	3	97120567	0.00	1.00	0.99	1.03	99	103	4
97120565	0.99	5.00	5.80	5.58	96	92	4	97120567	0.00	0.50	0.47	0.48	94	96	2
97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	1.00	1.01	1.02	101	102	1
97120565	0.0	5.0	5.0	4.8	100	96	4	97120567	0.00	0.50	0.50	0.53	100	106	6
97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	3.00	3.04	3.04	101	101	0
97120565	2.7	5.0	7.0	6.7	86	80	4	97120567	0.00	0.50	0.45	0.46	90	92	2
97120565	3.4	5.0	7.5	7.2	82	76	4	97120567	0.000	0.100	0.100	0.099	100	99	1

BOE-C6-0084776

12/30/97 1 OCA 200	0.0	50	51	54	102	108	6	12/30/97 1 97120568	0.0	20	15	15	75	75	0
OCA 200	0.0	50	47	48	94	96	2	97120568	0.0	20	16	15	80	75	6
OCA 200	0.0	50	48	59	96	118	21	97120568	0.0	20	15	15	75	75	0

BOE-C6-0084777

OCA 200	0.0	50	51	54	102	108	6	97120568	0.0	20	15	15	75	75	0
OCA 200	0.0	50	46	48	92	96	4	97120568	0.0	20	15	15	75	75	0
12/30/97 OCA200	0.0	50	44	52	88	104	17	12/30/97 OCA100	0.0	50	37	39	74	78	5

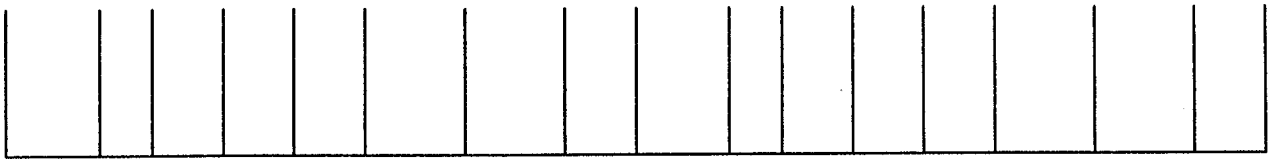
BOE-C6-0084778

OCA200	0.0	100	69	65	69	65	6	OCA100	0.0	100	55	63	55	63	14
OCA200	0.0	100	70	68	70	68	3	OCA100	0.0	100	64	72	64	72	12
OCA200	0.0	50	38	38	76	76	0	OCA100	0.0	50	26	27	52	54	4

BOE-C6-0084779

OCA200	0.0	50	41	44	82	88	7	OCA100	0.0	50	39	36	78	72	8
OCA200	0.0	100	78	60	78	60	26	OCA100	0.0	100	61	70	61	70	14
OCA200	0.0	100	70	68	70	68	3	OCA100	0.0	100	22	30	22	30	31
OCA200	0.0	50	49	46	98	92	6	OCA100	0.0	50	41	46	82	92	11
OCA200	0.0	50	40	40	80	80	0	OCA100	0.0	50	27	29	54	58	7

BOE-C6-0084780



BOE-C6-0084781

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: SEE REMARKS

TOTAL P.01

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N Madison Ave
Pasadena, CA 91101
PHONE: (626) 568-6588 FAX: (626) 796-5941

PROJECT INFORMATION

PROJECT NAME: The Boeing Company
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Dr.
Los Angeles, CA 90501
SAMPLED BY: IV / CW / AN.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
PH-LTU-2A GS-1	2	12/29/97	1320	SOIL	2"x6" SS Sleeve	ICE	X	X	X				Due by Mon. 1/5/98 Noon
PH-LTU-2 - GS-1	2	↓	1330	↓	↓	↓	X	X	X				↓
EQUIPMENT BLANK	6	↓	1350	WATER	3 amber poly 3 VOAs	above HNO3 HCl	X	X	X				Standard TAT
RINSATE BLANK	6	↓	1400	↓	↓	↓	X	X	X				↓
TRIP BLANK	2	↓	–	↓	2 VOAs	HCl		X					↓
~~MEA GS-1~~ BA1-LTU-1-GS-1	1	12/29/97	1430	SOIL	2"x6" SS Sleeve	ICE	X	X	X				24-HR TAT
BA-LTU-2-GS-1	2	↓	1435	↓	↓	↓	X	X	X				Due by Mon. 1/5/98 Noon
BA-LTU-1-GS-1	2	↓	1440	↓	↓	↓	X	X	X				↓

Post-it™ Fax Note 7671 | Date 12/31/97 | # of pages ▶ 1
To: MARIE | From: ADAM
Co./Dept.: ORANGE COAST | Co.: MONTGOMERY WATSON
Phone #: (714) 832-0064 | Phone #: (310) 320-8926
Fax #: (714) 832-0067 | Fax #: (310) 320-8901

– ADD THESE ANALYSES –
DUE BY Wed. 1/7/98 @ NOON
AWN

Total No. of Samples: 5

Method of Shipment: Orange Coast Lab. Courier.

Relinquished By: Adam W. Venig Date/Time: 12/29/97 1500 hrs

Received By: Date/Time:

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: [illegible] Date/Time: [illegible]

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084782

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 / 1

REQUIRED TAT: SEE REMARKS

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N Madison Ave	LOCATION:	C-6 facility
	Pasadena, CA 91101	ADDRESS:	19503 S. Normandie Ave.
			Los Angeles, CA 90501
PHONE:	(626) 568-6582 FAX: (626) 796-5941	SAMPLED BY:	IV/CW/AN.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
PH-LTU-2A GS-1	2	12/29/97	1320	SOIL	2"x6" S.S. sleeve	ICE	X	X	X						Due by Mon. 1/5/98 Noon
PH-LTU-2-GS-1	2	↓	1330	↓	↓		X	X	X						↓
EQUIPMENT BLANK	6		1350	WATER	3 amber poly 2 VOAs	none HNO3 HCl	X	X	X						Standard TAT
RINSATE BLANK	6		1400				X	X	X						
TRIP BLANK	2		–		2 VOAs	HCl		X							
~~NEA-GS-1~~ B41-LTU-1-GS-1	1	12/29/97	1430	SOIL	2"x6" S.S. sleeve	ICE		X							← 24-HR TAT
BA-LTU-2-GS-1	2		1435				X	X	X						Due by Mon. 1/5/98 Noon
BA-LTU-1-GS-1	2		1440				X	X	X						

Total No. of Samples: 5

Method of Shipment: Orange Coast Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam W. Vonig	12/29/97 1500 hrs		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Sayed Hashmi	Date/Time: 14:55 12-29-97

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0084783