Table of Contents

Laboratory Reference #	Consultant	Laboratory	Sample Date
KJC 8904	Kennedy Jenks	Orange Coast Analytical, Inc.	4/11/1997
KJC 8909	Kennedy Jenks	Orange Coast Analytical, Inc.	4/15/1997
OEL 98027	Integrated Env. Sciences	Onsite Env. Labs, Inc.	4/30/1998
CLS 9805014	Onsite Env. Labs, Inc.	Clayton Laboratory Services	4/30/1998
OEL 98026	Integrated Env. Sciences	Onsite Env. Labs, Inc.	4/29/1998
CLS 9805203	Onsite Env. Labs, Inc.	Clayton Laboratory Services	5/12/1998
OEL 98039	Integrated Env. Sciences	Onsite Env. Labs, Inc.	5/12/1998
IES 10215	Integrated Env. Sciences	Orange Coast Analytical, Inc.	5/22/1998
IES 10209	Integrated Env. Sciences	Orange Coast Analytical, Inc.	5/20/1998
IES 10196	Integrated Env. Sciences	Orange Coast Analytical, Inc.	5/15/1998
MWI 8748	Montgomery Watson	Orange Coast Analytical, Inc.	3/24/1997
MWI 8751	Montgomery Watson	Orange Coast Analytical, Inc.	3/25/1997
MWI 8767	Montgomery Watson	Orange Coast Analytical, Inc.	3/27/1997
MWI 8924	Montgomery Watson	Orange Coast Analytical, Inc.	4/23/1997
MWI 8767	Montgomery Watson	Orange Coast Analytical, Inc.	4/4/1997
MWI 8777	Montgomery Watson	Orange Coast Analytical, Inc.	3/28/1997
MWI 8781	Montgomery Watson	Orange Coast Analytical, Inc.	3/31/1997
MWI 8924	Montgomery Watson	Orange Coast Analytical, Inc.	4/17/1997
SPL 97-02-216	SPL	Fullerton Laboratory	3/11/1997

#16

4/28/97

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8904

Sampled : 04-11-97
Received: 04-14-97
Analyzed: 04-18-97
Reported: 04-24-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040623	2BB-5-23-15	22
Detection Limit:		8.0

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

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8904

Sampled : 04-11-97
Received: 04-14-97
Analyzed: 04-15-97
Reported: 04-24-97

pH (EPA 9045)

Laboratory Sample Number	Client Sample Number	Sample Result
97040620	2BB-5-23-1	7.8
97040621	2BB-5-23-4	7.3
97040622	2BB-5-23-10	7.5
97040623	2BB-5-23-15	7.7
97040624	2BB-5-23-20	7.8
97040625	2BB-5-23-25	7.9

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-1

Laboratory Sample Number: 97040620
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	80	<---
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	7.3	<---
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	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	24	<---
Zinc	6010	250	5000	0.1	36	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-4

Laboratory Sample Number: 97040621
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	82	<---
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	6.9	<---
Copper	6010	25	2500	0.1	7.8	<---
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	27	<---
Zinc	6010	250	5000	0.1	31	<---

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

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-10

Laboratory Sample Number: 97040622
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	27	<---
Cobalt	6010	80	8000	0.5	7.5	<---
Copper	6010	25	2500	0.1	18	<---
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	14	<---
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	28	<---
Zinc	6010	250	5000	0.1	47	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-15

Laboratory Sample Number: 97040623
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	94	<---
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	6.0	<---
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	9.5	<---
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	24	<---
Zinc	6010	250	5000	0.1	39	<---

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

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-20

Laboratory Sample Number: 97040624
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	110	<---
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	6.1	<---
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	9.9	<---
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	43	<---

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

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-5-23-25

Laboratory Sample Number: 97040625
Laboratory Reference #: KJC 8904

Sampled: 04-11-97
Received: 04-14-97
Analyzed: 04-17-97
Reported: 04-24-97

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	160	<---
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	33	<---
Cobalt	6010	80	8000	0.5	8.5	<---
Copper	6010	25	2500	0.1	24	<---
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	30	<---
Zinc	6010	250	5000	0.1	63	<---

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

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-128
Laboratory Sample #: 97040626
Laboratory Reference #: KJC 8904

Sampled : ---
Received: 04-14-97
Analyzed: 04-23-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT* ug/l	*SAMPLE RESULTS* ug/l
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

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

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Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*83*

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-1
Laboratory Sample #: 97040627
Laboratory Reference #: KJC 8904

Sampled : ---
Received: 04-14-97
Analyzed: 04-23-97
Reported: 04-24-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010)

ANALYTE	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.5	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	5.0	N.D.
1,1,2,2-Tetrachloroethane	0.5	N.D.
Tetrachloroethene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	0.5	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

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

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Mark Noorani
Laboratory Director

Surrogate Recovery	*%*
1,4-Dichlorobutane	*84*

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040628
Laboratory Reference No : KJC 8904

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	97	107	97	107	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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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 Organic Compounds (EPA 8010)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040716
Laboratory Reference No : KJC 8904

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	4.9	4.7	98	94	4
Trichloroethene	0.0	5.0	5.0	4.8	100	96	4
Tetrachloroethene	0.0	5.0	5.1	4.8	102	96	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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Laboratory Director

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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 : 04/17/97
Laboratory Sample No : 97040636
Laboratory Reference No : KJC 8904

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	30.20	28.80	101	96	5
Arsenic	0.00	10.00	8.20	8.00	82	80	2
Barium	12.00	10.00	22.00	21.00	100	90	5
Beryllium	0.00	1.00	1.03	0.92	103	92	11
Cadmium	0.00	1.00	1.00	1.05	100	105	5
Chromium (Total)	2.60	5.00	7.00	6.60	88	80	6
Chromium (VI)	0.00	1.00	0.87	0.81	87	81	7
Cobalt	0.69	1.00	1.51	1.64	82	95	8
Copper	1.50	1.00	2.30	2.30	80	80	0
Lead	0.00	10.00	9.90	10.20	99	102	3
Mercury	0.000	0.020	0.019	0.021	95	105	10
Molybdenum	0.00	10.00	10.80	10.90	108	109	1
Nickel	1.10	5.00	5.70	5.60	92	90	2
Selenium	0.00	10.00	10.50	9.90	105	99	6
Silver	0.00	5.00	5.20	5.20	104	104	0
Thallium	0.00	30.00	32.00	33.00	107	110	3
Vanadium	2.90	5.00	7.50	7.60	92	94	1
Zinc	4.70	5.00	8.80	8.70	82	80	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

MARK NOORANI
Laboratory Director

Analysis Request and C[illegible] of Custody Record

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

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy/Jenks	PROJECT NAME:	DAC
SEND REPORT TO:		NUMBER:	974002.00
ADDRESS:		LOCATION:	Bldg 1 - Dip Tank Area
		ADDRESS:	
PHONE:	FAX:	SAMPLED BY:	DMS

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	PH	8010					REMARKS/PRECAUTIONS
5-46-1	1	4/11/97	1640	Soil	Stainless steel		X	X	X						
5-46-4	1		1645				X	X	X						
5-46-10	1		1650				X	X	X						
5-46-15	1		1655				X	X	X						
5-46-20	1		1705				X	X	X						
5-46-25	1		1715				X	X	X						
TB-128	1		—	Water	VOA					X					
EB-1	2		1825	Water	VOA					X					

Total No. of Samples: ____

Method of Shipment: ____

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/11/97 1945	[signature]	4-11-97 1945
[signature]	4-14-97		
		Received For Lab By: [signature]	Date/Time: 4/14/97 17:00

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-C6-0148330

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page ___ of ___

REQUIRED TAT: _____

CUSTOMER INFORMATION

COMPANY: Kennedy/Jenks
SEND REPORT TO:
ADDRESS:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Bldg 1 - Dip Tank Area
ADDRESS:
SAMPLED BY: DMS

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	PH	8010					REMARKS/PRECAUTIONS
5-46-1	1	4/11/97	1640	Soil	Stainless steel		X	X	X						Please Change #'s to 2BB-5-23-1
5-46-4	1		1645				X	X	X						2BB-5-23-4
5-46-10	1		1650				X	X	X						2BB-5-23-10
5-46-15	1		1655				X	X	X						2BB-5-23-15
5-46-20	1.		1705				X	X	X						2BB-5-23-20
5-46-25	1		1715				X	X	X						2BB-5-23-25
TB-128	1		—	Water	VOA					X					
EB-1	2		1325	Water	VOA					X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/11/97 1945	[signature]	4-11-97 1945
[signature]	4-14-97		

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

Relinquished By: ____ Date/Time: ____

Received For Lab By: [signature] Date/Time: 4/14/97 17:03

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.

APR 22 '97 10:51AM MCDONNELL DOUGLAS P.2/2

BOE-C6-0148331

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

Anal[illegible]quest and Chain o[illegible]ustody Record

Lab Job No: ___
Page 1 / 1

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste. 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE:	714-261-1577 FAX: 261-2134	SAMPLED BY:	J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020	8260						REMARKS/PRECAUTIONS
2BB-2-6-1	1	4-14-97		Soil	poly sleeve		X								
5-46-15	1	4-14-97			steel tube		X								
2BB-2-22-1	1	4-11-97			poly sleeve			X							
2BB-2-31-20	1	4-11-97			↓			X							10% ND QA/QC Samples already in Lab
2BB-2-33-10	1	4-11-97						X							
2BB-2-35-4	1	4-14-97						X							
2BB-2-1-10	1	4-14-97						X							
2BB-2-4-4	1	4-14-97						X							
2BB-2-3-10	1	4-14-97			↓			X							
36-9-20		4-10-97			steel tube				X						
36-9-25		4-10-97			↓				X						Samples included in this shipment. Please note collection date is approaching holding time limit.
36-10-10		4-10-97							X						
36-12-20		4-10-97							X						
36-12-15		4-10-97			↓				X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-15-97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/15/97 16:45

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 for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0148332

#19

4/29/97

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040686	2BB-2-9-1	21
970406714	2BB-2-18-10	14
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-1
Laboratory Sample #: 97040695
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-25-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

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

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*98*
1,4-Dichlorobutane	*77*

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-10
Laboratory Sample #: 97040705
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-25-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Benzene	5.0	N.D.
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chlorodibromomethane	5.0	N.D.
Chloroethane	10	N.D.
2-Chloroethyl vinyl ether	25	N.D.
Chloroform	5.0	N.D.
Chloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Trans 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	5.0	N.D.
Methylene chloride	25	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	10	N.D.
Total Xylenes	5.0	N.D.

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

Surrogate Recovery	%
alpha, alpha, alpha-trifluorotoluene	*10*
1,4-Dichlorobutane	*84*

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-041597
Laboratory Sample #: 97040715
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

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

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*9*
1,4-Dichlorobutane	*83*

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-041597
Laboratory Sample #: 97040716
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

VOLATILE ORGANIC COMPOUNDS (EPA 8010/8020)

ANALYTE	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Benzene	0.5	N.D.
Bromodichloromethane	0.5	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chlorodibromomethane	0.5	N.D.
Chloroethane	1.0	N.D.
2-Chloroethyl vinyl ether	5.0	N.D.
Chloroform	0.5	N.D.
Chloromethane	1.0	N.D.
1,2-Dichlorobenzene	1.0	N.D.
1,3-Dichlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	1.0	N.D.
1,1-Dichloroethane	0.5	N.D.
1,2-Dichloroethane	0.5	N.D.
1,1-Dichloroethene	0.5	N.D.
Trans 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	1.0	N.D.
cis-1,3-Dichloropropene	1.0	N.D.
trans-1,3-Dichloropropene	1.0	N.D.
Ethylbenzene	0.5	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	1.0	N.D.
Tetrachloroethene	0.5	N.D.
Toluene	0.5	N.D.
1,1,1-Trichloroethane	0.5	N.D.
1,1,2-Trichloroethane	1.0	N.D.
Trichloroethene	0.5	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	1.0	N.D.
Total Xylenes	0.5	N.D.

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

Surrogate Recovery	*%*
alpha, alpha, alpha-trifluorotoluene	*10*
1,4-Dichlorobutane	*80*

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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-1
Laboratory Sample #: 97040686
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
·enzo(k)fluoranthene	207-08-9	250	N.D.
.nzo(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 ether	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.
'methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-9-1
Laboratory Sample #: 97040686

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-4
Laboratory Sample #: 97040687
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
nzo(k)fluoranthene	207-08-9	250	N.D.
nzo(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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-9-4
Laboratory Sample #: 97040687

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

.nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-10
Laboratory Sample #: 97040688
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
.nzo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-9-10
Laboratory Sample #: 97040688

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

.nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-1
Laboratory Sample #: 97040689
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	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.	
nzo(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	120	<---
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 ether	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.	
6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, 2BB-2-10-1
Laboratory Sample #: 97040689

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-4
Laboratory Sample #: 97040690
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.
,4-Dimethylphenol	105-67-9	100	N.D.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-10-4
Laboratory Sample #: 97040690

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

..ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-10
Laboratory Sample #: 97040691
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
nzo(k)fluoranthene	207-08-9	250	N.D.
nzo(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 ether	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.
,4-Dimethylphenol	105-67-9	100	N.D.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-10-10
Laboratory Sample #: 97040691

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-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

ark 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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-1
Laboratory Sample #: 97040692
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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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

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

Sample Description: Soil, 2BB-2-11-1
Laboratory Sample #: 97040692

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

.ark 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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-4
Laboratory Sample #: 97040693
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
·enzo(k)fluoranthene	207-08-9	250	N.D.	
ɜnzo(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	260	<---
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 ether	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.	
imethyl phthalate	131-11-3	100	N.D.	
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, 2BB-2-11-4
Laboratory Sample #: 97040693

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark Noorani
Laboratory Director

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-10
Laboratory Sample #: 97040694
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

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

Sample Description: Soil, 2BB-2-11-10
Laboratory Sample #: 97040694

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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.
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

ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-1
Laboratory Sample #: 97040695
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-12-1
Laboratory Sample #: 97040695

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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 detectior

ORANGE COAST ANALYTICAL

Mark Noorani

Mark Noorani
Laboratory Director

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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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-4
Laboratory Sample #: 97040696
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

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

Sample Description: Soil, 2BB-2-12-4
Laboratory Sample #: 97040696

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-10
Laboratory Sample #: 97040697
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

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

Sample Description: Soil, 2BB-2-12-10
Laboratory Sample #: 97040697

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark Noorani
Laboratory Director

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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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-1
Laboratory Sample #: 97040698
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-13-1
Laboratory Sample #: 97040698

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
·Methylphenol	95-48-7	100	N.D.
·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

.ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-4
Laboratory Sample #: 97040699
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-13-4
Laboratory Sample #: 97040699

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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.
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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-10
Laboratory Sample #: 97040700
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
..nzo(k)fluoranthene	207-08-9	250	N.D.
..nzo(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 ether	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.
..,4-Dimethylphenol	105-67-9	100	N.D.
..methyl phthalate	131-11-3	100	N.D.
..,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-13-10
Laboratory Sample #: 97040700

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-14-4
Laboratory Sample #: 97040701
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
·enzo(k)fluoranthene	207-08-9	250	N.D.
·nzo(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 ether	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.
·methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-14-4
Laboratory Sample #: 97040701

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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 detectior

ORANGE COAST ANALYTICAL

Mark Noorani

ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-14-10
Laboratory Sample #: 97040702
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
enzo(k)fluoranthene	207-08-9	250	N.D.	
enzo(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	120	<---
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 ether	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.	
methyl phthalate	131-11-3	100	N.D.	
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, 2BB-2-14-10
Laboratory Sample #: 97040702

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

.nnedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-1
Laboratory Sample #: 97040703
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
nzo(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 ether	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.
methyl phthalate	131-11-3	100	N.D.
6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-15-1
Laboratory Sample #: 97040703

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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.
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-4
Laboratory Sample #: 97040704
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-21-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-15-4
Laboratory Sample #: 97040704

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-10
Laboratory Sample #: 97040705
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-15-10
Laboratory Sample #: 97040705

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-1
Laboratory Sample #: 97040706
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-16-1
Laboratory Sample #: 97040706

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
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.	
-Methylphenol	95-48-7	100	N.D.	
-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	170	<---
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

.ark 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

..ennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-4
Laboratory Sample #: 97040707
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
·enzo(k)fluoranthene	207-08-9	250	N.D.
·nzo(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 ether	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.
·methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, 2BB-2-16-4
Laboratory Sample #: 97040707

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

.ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-10
Laboratory Sample #: 97040708
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	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	140	<---
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 ether	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.	
methyl phthalate	131-11-3	100	N.D.	
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, 2BB-2-16-10
Laboratory Sample #: 97040708

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
Methylphenol	95-48-7	100	N.D.
-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

..ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-1
Laboratory Sample #: 97040709
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

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

Sample Description: Soil, 2BB-2-17-1
Laboratory Sample #: 97040709

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

..ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-4
Laboratory Sample #: 97040710
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

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

Sample Description: Soil, 2BB-2-17-4
Laboratory Sample #: 97040710

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-10
Laboratory Sample #: 97040711
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-17-10
Laboratory Sample #: 97040711

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylphenol	95-48-7	100	N.D.
-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

.ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-1
Laboratory Sample #: 97040712
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
enzo(k)fluoranthene	207-08-9	250	N.D.
enzo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-18-1
Laboratory Sample #: 97040712

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
?-Methylnaphthalene	91-57-6	100	N.D.
-Methylphenol	95-48-7	100	N.D.
-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

.ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-4
Laboratory Sample #: 97040713
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.
methyl phthalate	131-11-3	100	N.D.
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, 2BB-2-18-4
Laboratory Sample #: 97040713

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
-Methylnaphthalene	91-57-6	100	N.D.
Methylphenol	95-48-7	100	N.D.
-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

..ark 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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-10
Laboratory Sample #: 97040714
Laboratory Reference #: KJC 8909

Sampled : 04-15-97
Received: 04-15-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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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

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

Sample Description: Soil, 2BB-2-18-10
Laboratory Sample #: 97040714

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-1

Laboratory Sample Number: 97040686
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	130	<---
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	13	<---
Cobalt	6010	80	8000	0.5	6.7	<---
Copper	6010	25	2500	0.1	10	<---
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	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	21	<---
Zinc	6010	250	5000	0.1	26	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-4

Laboratory Sample Number: 97040687
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	35	<---
Cobalt	6010	80	8000	0.5	9.4	<---
Copper	6010	25	2500	0.1	17	<---
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	56	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-9-10

Laboratory Sample Number: 97040688
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	130	<---
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	7.7	<---
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	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	26	<---
Zinc	6010	250	5000	0.1	41	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-1

Laboratory Sample Number: 97040689
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	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	14	<---
Cobalt	6010	80	8000	0.5	7.0	<---
Copper	6010	25	2500	0.1	9.0	<---
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	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	22	<---
Zinc	6010	250	5000	0.1	24	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-4

Laboratory Sample Number: 97040690
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	110	<---
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	7.6	<---
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	23	<---
Zinc	6010	250	5000	0.1	32	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-10-10

Laboratory Sample Number: 97040691
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	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	26	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	16	<---
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	30	<---
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
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-1

Laboratory Sample Number: 97040692
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	84	<---
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	13	<---
Cobalt	6010	80	8000	0.5	5.8	<---
Copper	6010	25	2500	0.1	6.7	<---
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	8.9	<---
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	16	<---
Zinc	6010	250	5000	0.1	21	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-4

Laboratory Sample Number: 97040693
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	180	<---
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	25	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	13	<---
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	14	<---
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	31	<---
Zinc	6010	250	5000	0.1	43	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-11-10

Laboratory Sample Number: 97040694
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	110	<---
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	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	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	24	<---
Zinc	6010	250	5000	0.1	41	<---

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

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-1

Laboratory Sample Number: 97040695
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	91	<---
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	6.9	<---
Copper	6010	25	2500	0.1	8.0	<---
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	19	<---
Zinc	6010	250	5000	0.1	25	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-4

Laboratory Sample Number: 97040696
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-17-97
Reported: 04-28-97

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	85	<---
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	14	<---
Cobalt	6010	80	8000	0.5	6.5	<---
Copper	6010	25	2500	0.1	6.5	<---
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	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	17	<---
Zinc	6010	250	5000	0.1	21	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-12-10

Laboratory Sample Number: 97040697
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	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	28	<---
Cobalt	6010	80	8000	0.5	8.1	<---
Copper	6010	25	2500	0.1	17	<---
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	14	<---
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	33	<---
Zinc	6010	250	5000	0.1	41	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-1

Laboratory Sample Number: 97040698
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	19	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	9.0	<---
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	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	26	<---
Zinc	6010	250	5000	0.1	26	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-4

Laboratory Sample Number: 97040699
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	110	<---
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	26	<---
Cobalt	6010	80	8000	0.5	8.8	<---
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	14	<---
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	36	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-13-10

Laboratory Sample Number: 97040700
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	25	<---
Cobalt	6010	80	8000	0.5	6.7	<---
Copper	6010	25	2500	0.1	16	<---
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	13	<---
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	40	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-14-4

Laboratory Sample Number: 97040701
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	170	<---
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	8.0	<---
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	14	<---
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	33	<---
Zinc	6010	250	5000	0.1	51	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-14-10

Laboratory Sample Number: 97040702
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	98	<---
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	7.4	<---
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	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	31	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-1

Laboratory Sample Number: 97040703
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	95	<---
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	7.5	<---
Copper	6010	25	2500	0.1	9.7	<---
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	23	<---
Zinc	6010	250	5000	0.1	31	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-4

Laboratory Sample Number: 97040704
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	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	8.1	<---
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	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	33	<---
Zinc	6010	250	5000	0.1	49	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-15-10

Laboratory Sample Number: 97040705
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	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	29	<---
Cobalt	6010	80	8000	0.5	8.3	<---
Copper	6010	25	2500	0.1	16	<---
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	13	<---
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	30	<---
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.
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-1

Laboratory Sample Number: 97040706
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	130	<---
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	9.1	<---
Copper	6010	25	2500	0.1	31	<---
Lead	6010	5.0	1000	1.0	23	<---
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	13	<---
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	30	<---
Zinc	6010	250	5000	0.1	70	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-4

Laboratory Sample Number: 97040707
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	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	24	<---
Cobalt	6010	80	8000	0.5	8.9	<---
Copper	6010	25	2500	0.1	13	<---
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	13	<---
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	28	<---
Zinc	6010	250	5000	0.1	37	<---

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

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-16-10

Laboratory Sample Number: 97040708
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	110	<---
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	7.0	<---
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	N.D.	
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	26	<---
Zinc	6010	250	5000	0.1	38	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-1

Laboratory Sample Number: 97040709
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	71	<---
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	17	<---
Cobalt	6010	80	8000	0.5	5.9	<---
Copper	6010	25	2500	0.1	7.1	<---
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	9.5	<---
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	20	<---
Zinc	6010	250	5000	0.1	24	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-4

Laboratory Sample Number: 97040710
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	25	<---
Cobalt	6010	80	8000	0.5	8.8	<---
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	33	<---
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.
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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-17-10

Laboratory Sample Number: 97040711
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	94	<---
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	7.4	<---
Copper	6010	25	2500	0.1	13	<---
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	28	<---
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

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-1

Laboratory Sample Number: 97040712
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	110	<---
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	8.2	<---
Copper	6010	25	2500	0.1	13	<---
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	33	<---
Zinc	6010	250	5000	0.1	40	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-4

Laboratory Sample Number: 97040713
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	71	<---
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	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	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	27	<---
Zinc	6010	250	5000	0.1	41	<---

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

Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-2-18-10

Laboratory Sample Number: 97040714
Laboratory Reference #: KJC 8909

Sampled: 04-15-97
Received: 04-15-97
Analyzed: 04-18-97
Reported: 04-28-97

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	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	7.3	<---
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	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	35	<---
Zinc	6010	250	5000	0.1	61	<---

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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040628
Laboratory Reference No : KJC 8909

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	97	107	97	107	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
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 Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/23/97
Laboratory Sample No : 97040716
Laboratory Reference No : KJC 8909

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	10.0	9.6	9.9	96	99	3
1,1-Dichloroethane	0.0	5.0	4.9	4.7	98	94	4
Trichloroethene	0.0	5.0	5.0	4.8	100	96	4
Tetrachloroethene	0.0	5.0	5.1	4.8	102	96	6
Toluene	0.0	10.0	9.7	10.0	97	100	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

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 Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/22/97
Laboratory Sample No : 97040551
Laboratory Reference No : KJC 8909

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	19	95	95	0
1,1-Dichloroethane	0.0	20	19	19	95	95	0
Trichloroethene	0.0	20	18	18	90	90	0
Tetrachloroethene	0.0	20	18	17	90	85	6
Toluene	0.0	20	19	19	95	95	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 : Metals

Date of Analysis : 04/17/97
Laboratory Sample No : 97040693
Laboratory Reference No :KJC 8909

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	29.00	29.00	97	97	0
Arsenic	0.00	10.00	8.40	8.10	84	81	4
Barium	18.00	10.00	26.20	26.40	82	84	1
Beryllium	0.00	1.00	1.02	0.99	102	99	3
Cadmium	0.00	1.00	0.97	0.97	97	97	0
Chromium (Total)	2.50	5.00	7.60	7.00	102	90	8
Chromium (VI)	0.00	1.00	1.03	0.90	103	90	13
Cobalt	0.71	1.00	1.72	1.87	101	116	8
Copper	1.30	1.00	2.20	2.35	90	105	7
Lead	0.00	10.00	10.80	9.60	108	96	12
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	10.00	9.00	8.60	90	86	5
Nickel	1.40	5.00	6.30	5.70	98	86	10
Selenium	0.00	10.00	9.50	9.20	95	92	3
Silver	0.00	5.00	4.90	4.80	98	96	2
Thallium	0.00	30.00	25.00	27.00	83	90	8
Vanadium	3.10	5.00	7.70	8.10	92	100	5
Zinc	4.30	5.00	10.00	9.40	114	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

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 : Metals

Date of Analysis : 04/18/97
Laboratory Sample No : 97040708
Laboratory Reference No :KJC 8909

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	29.00	30.00	97	100	3
Arsenic	0.00	10.00	11.10	11.70	111	117	5
Barium	11.00	10.00	19.50	21.00	85	100	7
Beryllium	0.00	1.00	1.05	1.06	105	106	1
Cadmium	0.00	1.00	1.06	1.17	106	117	10
Chromium (Total)	2.30	5.00	7.10	7.50	96	104	5
Chromium (VI)	0.00	1.00	0.83	0.89	83	89	7
Cobalt	0.70	1.00	1.50	1.65	80	95	10
Copper	1.20	1.00	2.00	2.15	80	95	7
Lead	0.00	10.00	9.30	9.80	93	98	5
Mercury	0.000	0.020	0.023	0.021	115	105	9
Molybdenum	0.00	10.00	9.10	9.30	91	93	2
Nickel	1.00	5.00	5.30	6.00	86	100	12
Selenium	0.00	10.00	10.10	10.00	101	100	1
Silver	0.00	5.00	4.30	5.00	86	100	15
Thallium	0.00	30.00	29.00	31.00	97	103	7
Vanadium	2.60	5.00	7.30	7.10	94	90	3
Zinc	3.80	5.00	8.80	9.40	100	112	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

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

Date of Analysis : 04/21/97
Laboratory Sample No : 97040691
Laboratory Reference No : KJC 8909

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	45	92	90	2
n-Nitroso-di-n-propylamine	0.0	50	53	43	106	86	21
1,2,4-Trichlorobenzene	0.0	50	47	46	94	92	2
Acenaphthene	0.0	50	51	50	102	100	2
Pyrene	0.0	50	47	46	94	92	2
Pentachlorophenol	0.0	100	81	76	81	76	6
4-Chloro-3-Methylphenol	0.0	100	73	66	73	66	10
2-Chlorophenol	0.0	100	86	84	86	84	2
Phenol	0.0	100	79	74	79	74	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

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

Date of Analysis : 04/22/97
Laboratory Sample No : 97040691
Laboratory Reference No : KJC 8909

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	46	92	92	0
n-Nitroso-di-n-propylamine	0.0	50	49	47	98	94	4
1,2,4-Trichlorobenzene	0.0	50	48	47	96	94	2
Acenaphthene	0.0	50	52	51	104	102	2
Pyrene	0.0	50	46	35	92	70	27
Pentachlorophenol	0.0	100	77	78	77	78	1
4-Chloro-3-Methylphenol	0.0	100	73	70	73	70	4
2-Chlorophenol	0.0	100	80	79	80	79	1
Phenol	0.0	100	70	70	70	70	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/22/97
Laboratory Sample No : 97040700
Laboratory Reference No : KJC 8909

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	43	86	86	0
n-Nitroso-di-n-propylamine	0.0	50	47	35	94	70	29
1,2,4-Trichlorobenzene	0.0	50	44	46	88	92	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	44	43	88	86	2
Pentachlorophenol	0.0	100	74	71	74	71	4
4-Chloro-3-Methylphenol	0.0	100	64	64	64	64	0
2-Chlorophenol	0.0	100	79	79	79	79	0
Phenol	0.0	100	72	71	72	71	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 92680
(714) 832-0064, Fax (714) 832-0067

Analy[illegible]quest and Chain o[illegible]stody Record

Lab Job No: ____
Page 1 3

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: ~~Douglas Aircraft~~ Kennedy/Jenks	PROJECT NAME: Douglas Aircraft
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr., Ste 100 Irvine, CA 92612	LOCATION: Torrance C-6 Facility
	ADDRESS:
PHONE: 714-261-1577 FAX: 261-2134	SAMPLED BY: J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	8270							REMARKS/PRECAUTIONS
2BB-2-9-1	1	4-15-97	0835	Soil	poly sleeve		X	X							
2BB-2-9-4			0840				X	X							
2BB-2-9-10			0847				X	X							
2BB-2-10-1			0909				X	X							
2BB-2-10-4			0913				X	X							
2BB-2-10-10			0935				X	X							
2BB-2-11-1			0958				X	X							
2BB-2-11-4			1003				X	X							
2BB-2-11-10			1010				X	X							
2BB-2-12-1			1032				X	X							
2BB-2-12-4			1037				X	X							
2BB-2-12-10			1044				X	X							
2BB-2-13-1			1140				X	X							
2BB-2-13-4			1143				X	X							

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-15-97 1627		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/15/97 17:35

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.

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BOE-C6-0148433

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 2 of 3

REQUIRED TAT: Normal

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Kennedy / Jenks	PROJECT NAME: Douglas Aircraft
SEND REPORT TO: Rus Purcell	NUMBER: 974002.00
ADDRESS: 2151 Michelson Dr., Ste. 100 Irvine, CA 92612	LOCATION: Torrance C-6 Facility
	ADDRESS:
PHONE: 714-261-1577 FAX: 261-2134	SAMPLED BY: J. Knight

ANALYSIS REQUESTED

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PREP	Metals	Cr (VI) (if >10 ppm total chrome)	8270						REMARKS/PRECAUTIONS
2BB-2-13-10	1	4-15-97	1150	Soil	poly sleeve		X		X						
2BB-2-14-4 TK			1322				X		X						
2BB-2-14-10 TK			1330				X		X						
2BB-2-15-1			1347				X		X						
2BB-2-15-4			1352				X		X						
2BB-2-15-10			1357				X		X						
2BB-2-16-1			1414				X		X						
2BB-2-16-4			1417				X		X						
2BB-2-16-10			1424				X		X						
2BB-2-17-1			1440				X		X						
2BB-2-17-4			1444				X		X						
2BB-2-17-10			1451				X		X						
2BB-2-18-1			1518				X	X	X						
2BB-2-18-4			1522				X	X	X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-15-97 1627		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	4/15/97 16:35

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-C6-0148434

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: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste. 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE: 714-261-1577	FAX: 261-2134	SAMPLED BY:	J. Knight

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	418.1	8010/8020							REMARKS/PRECAUTIONS
2BB-2-9-1	1	4-15-97		Soil	poly sleeve		X								10% ND QA/QC
2BB-2-18-10	"	4-15-97			"		X								
2BB-2-12-1	"	4-15-97			"			X							Samples in Lab
2BB-2-15-10	"	4-15-97			"			X							

Total No. of Samples:	Method of Shipment:	
Relinquished By: Jay Knight Date/Time: 4-16-97 1615	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: 4/16/97 16:50	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.

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

Analys[illegible]uest and Chain o[illegible]ustody Record

Lab Job No: ____
Page 3 of 5

REQUIRED TAT: Normal

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Kennedy / Jenks	PROJECT NAME:	Douglas Aircraft
SEND REPORT TO:	Rus Purcell	NUMBER:	974002.00
ADDRESS:	2151 Michelson Dr., Ste 100 Irvine, CA 92612	LOCATION:	Torrance C-6 Facility
		ADDRESS:	
PHONE: 714-261-1577	FAX: 261-2134	SAMPLED BY:	J. Knight

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr(VI) (if >10ppm total Chrome)	8270	8010/8020					REMARKS/PRECAUTIONS
2BB-2-18-10	1	4-15-97	1528	soil	poly sleeve		X	X	X						
EB-041597	2	4-15-97	1615	water	40ml					X					
TB-041597	2	"	1615	"	"					X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jay Knight	4-15-97 1627		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 4/15/97 16:35

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-C6-0148436

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LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027c.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

AOI 2
CB3

Field ID Number Lab ID Number		13 AOI3-CB4-S1	14 AOI3-CB3-S1	15 AOI3-CB2-S1	16 AOI3-CB1-S1	17 AOI3-CB16-S1	18 AOI2-CB3-S1
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		164%	92%	46%	45%	48%	55%
Dilution factor (DF)		1	1	1	1	20*	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
* - diluted due to matrix effect
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027d.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

AOI 2

		CB2	CB1	CB3 dup			
Field ID Number		19	20	21			
Lab ID Number		AOI2-CB2-S1	AOI2-CB1-S1	AOI2-CB3-S1D			
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND			
Aroclor 1221	20	ND	ND	ND			
Aroclor 1232	20	ND	ND	ND			
Aroclor 1242	20	ND	ND	ND			
Aroclor 1248	20	ND	ND	ND			
Aroclor 1254	20	ND	ND	ND			
Aroclor 1260	20	ND	ND	ND			
Surrogate		18%	48%	51%			
Dilution factor (DF)		1	1	1			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

ONSITE
ENVIRONMENTAL
LABORATORIES, INC

LABORATORY QC REPORT
EPA Method 8080 (PCB)

Date sampled :	4/30/98	Project Mgr :	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Servic
Date extracted :	5/2/98	Project :	C6 Facility Parcel B
Date analyzed :	5/2/98 - 5/5/98	Units :	ug/Kg
Report # :	98027a.qac	Matrix :	Soil
Lab. ID # :	98027		
Sample Spiked:	AOI3-CB4-S1		

ANALYTE	RL	Method Blank	Spike Conc.	LCS % Rec.	MS % Rec.	MSD % Rec.	RPD
Aroclor 1016	20	ND	125	82%	92%	100%	8%
Aroclor 1221	20	ND	-	-	-	-	-
Aroclor 1232	20	ND	-	-	-	-	-
Aroclor 1242	20	ND	-	-	-	-	-
Aroclor 1248	20	ND	-	-	-	-	-
Aroclor 1254	20	ND	-	-	-	-	-
Aroclor 1260	20	ND	125	91%	107%	116%	8%

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

COC No. DI2-1

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	JOANN P. ORNELAS
Client Name:	BOEING / INTEGRATED ENV. SERV.
Address:	3990 WESTERLY PL., STE. 210
City, State ZIP	NEWPORT BEACH, CA. 92660
Phone:	(714) 852-9050
Fax:	(714) 852-9011

Bill to:	BOEING C/O IESI
Company:	" " "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Date:	4-30-98
Page:	1 of 1
Laboratory:	ON SITE
Lab Number:	98027

Project Name:	C6 FACILITY PARCEL B
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	PCB's (8080)					No. Containers	Remarks: RUSH ANALYSIS
AOI2-CB3-S1	4-30-98	1210	SOIL	JPO	1320						X					1	
AOI2-CB2-S1		1235									X					1	
~~AOI2-CB2-S1D~~											X					1	
AOI2-CB1-S1		1240									X					1	
AOI2-CB3-S1D		1230									X					1	
~~AOI2-CB6-S1~~		1250									X					1	

Initials:	Printed Name:	Signature:		
JO	JOANN P. ORNELAS	[signature]	Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	4
Received Intact:	✓
Received Cold:	✓ 4°C
Custody Seals:	NA

BOE-C6-0148440

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	5/15/98	Project Mgr:	Joann Ornelas
Date received :	5/18/98	Client :	Integrated Environmental Services
Date analyzed :	5/18/98 - 5/19/98	Project :	C6 Facility Parcel B
Report # :	1E055.rpt	Units :	ug/Kg
Lab. ID # :	1E055	Matrix :	Soil

AOI 2 confirmation

Field ID Number Lab ID Number		1 AOI2-CB2-C1	2 AOI3-CB4-C2	3 AOI3-CB12-C1				
Target Compounds	RL							
Aroclor 1016	20	ND	ND	ND				
Aroclor 1221	20	ND	ND	ND				
Aroclor 1232	20	ND	ND	ND				
Aroclor 1242	20	ND	ND	ND				
Aroclor 1248	20	ND	ND	ND				
Aroclor 1254	20	ND	ND	ND				
Aroclor 1260	20	ND	ND	ND				
Surrogate		94%	92%	98%				
Dilution factor (DF)		1	1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

IES 10228

AOI 2
CB4 CB5

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM								
							SAMP TYPE	S	S	S	S	S	S	S	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	BF11
							SAMP ID	AOI3-CB16-C3	AOI3-CB17-C4	AOI3-CB18-C5	AOI2-CB4-S1	AOI2-CB5-S1			EQUIP BLANK
							SAMP DATE	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98			
							SAMP TIME	9:35	9:40	9:50	9:40	9:30			
							SAMP DEPTH								
							PRESERVED								, N, H
							ICED	Y	Y	Y					Y
							RECEIVED	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98			
							REC TIME	11:50	11:50	11:50	11:50	11:50			
							BASIS	W	W	W	W	W			W
							LAB CHEM	98050296	98050297	98050298	98050299	98050300			
							Tested	05/28/98	05/28/98	05/28/98					
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	<	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	5.0	0.5		T		ppm	Antimony	<	<	<					
6010	1.0	0.1		T		ppm	Arsenic	4.6	4.7	8.3					
6010	0.1	0.01		T		ppm	Barium	170	200	210					
6010	0.1	0.01		T		ppm	Beryllium	0.69	0.68	0.73					
6010	0.1	0.01		T		ppm	Cadmium	<	<	<					
							Tested	05/28/98	05/28/98	05/28/98					
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	0.1	0.01		T		ppm	Chromium Total	28	27	28					
6010	0.5	0.1		T		ppm	Cobalt	13	14	14					
6010	0.1	0.01		T		ppm	Copper	30	30	31					
6010	1.0	0.1		T		ppm	Lead	5.0	5.1	6.0					
							Tested	05/28/98	05/28/98	05/28/98					
7471	0.01	0.002		T		ppm	Mercury	0.047	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<					
6010	0.5	0.1		T		ppm	Nickel	22	23	23					
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	58	57	60					
6010	0.1	0.01		T		ppm	Zinc	67	66	71					
							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-C6-0148442

		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	05/28/98	05/28/98	05/28/98	
						Dilution Factor	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	<	<	<	

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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	96	92	95													
					T	%	Toluene-d8	90	91	92													
					T	%	4-Bromofluorobenzene	97	96	95													
							Tested	05/28/98	05/28/98	05/28/98													
							Dilution Factor	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	<	<	<													

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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 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	<	<	<								
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	<	<	<								

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<						
							Tested	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98				
							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									
							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	72-54-8	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	05/28/98	05/28/98	05/28/98						
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.

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		QC(S)								QC(W)							
W BR11 RINSATE BLANK , N, H Y W	W BT11 TRIP BLANK , N, H Y W																
		LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD
		05/29/98															
		98050296	0.00	10.0	9.14	9.25	91	93	1								
		98050296	0.09	10.0	9.53	9.60	94	95	1								
		98050296	3.39	5.00	7.60	7.57	84	84	0								
		98050296	0.01	1.00	0.98	0.98	97	97	0								
		98050296	0.00	1.00	0.94	0.94	94	94	0								
		05/28/98															
		98050296	0.00	1.00	0.92	0.92	92	92	0								
		05/29/98															
		98050296	0.55	1.00	1.39	1.39	84	84	0								
		98050296	0.27	1.00	1.12	1.13	85	86	1								
		98050296	0.59	1.00	1.58	1.57	99	98	1								
		98050296	0.10	5.00	4.29	4.32	84	84	1								
		05/28/98															
		98050296	0.047	1.00	1.10	1.20	105	115	9								
		05/29/98															
		98050296	0.00	5.00	4.35	4.39	87	88	1								
		98050296	0.45	5.00	4.99	5.03	91	92	1								
		98050296	0.00	10.0	9.25	9.31	93	93	1								
		98050296	0.00	5.00	4.80	4.78	96	96	0								
		98050296	0.00	10.0	8.07	8.12	81	81	1								
		98050296	1.16	5.00	5.62	5.60	89	89	0								
		98050296	1.33	1.00	2.18	2.19	85	86	0								

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IES 10228

		05/28/98 1 OCA200	0.0	50	48	49	96	98	2								
			0.0	50	50	51	100	102	2								
			0.0	50	43	45	86	90	5								

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			0.0	50	49	49	98	98	0									
			0.0	50	51	51	102	102	0									
		05/28/98 1 98050296	0.0	50	38	38	76	76	0									

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		98050296	0.0	100	73	72	73	72	1										
		98050296	0.0	100	72	74	72	74	3										
		98050296	0.0	50	44	45	88	90	2										
		98050296	0.0	50	44	45	88	90	2										
		98050296	0.0	100	75	75	75	75	0										
		98050296	0.0	100	71	74	71	74	4										
		98050296	0.0	50	34	35	68	70	3										
		98050296	0.0	50	44	45	88	90	2										

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		05/29/98																
		98050296	0.0	250	160	180	64	72	12									
		05/28/98 98050297	0.0	100	79	85	79	85	7									

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Analysis Request and Chain of Custody Record

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

Lab Job No: AOI3-5
Page 1 of 1

REQUIRED TAT: 24 hr TAT

CUSTOMER INFORMATION

COMPANY: Boeing c/o TEST
SEND REPORT TO: Joann Ornelas
ADDRESS: 3990 Westerly Pl. Ste 210, Newport Beach, CA 92660
PHONE: 714 852-9050 FAX: 714 852-9011

PROJECT INFORMATION

PROJECT NAME: Boeing C-6 facility
NUMBER: AOI3
LOCATION:
ADDRESS: 19503 S. Normandie Ave, Los Angeles, CA
SAMPLED BY:

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	TPH-d (8015)	TPH (418.1)	PCBs (8082)	Metals (6010/7470/7471)		REMARKS/PRECAUTIONS
AOI3-CB16-C3	2	5/28/98	0935	Soil	4 oz	—	X	X	X	X	X	X		Fax Results
AOI3-CB17-C4	2	↓	0940	↓	↓	↓	X	X	X	X	X	X		
AOI3-CB18-C5	2	↓	0950	↓	↓	↓	X	X	X	X	X	X		
AOI2-CB4-S1	1	5/28/98	0940	↓	↓	↓					X			
AOI2-CB5-S1	1	5/28/98	0930	↓	↓	↓					X			

Total No. of Samples:

Relinquished By: [signature] Date/Time: 5/28/98 11:50

Relinquished By: Date/Time:

Relinquished By: Date/Time:

All samples ...

Method of Shipment: Delivered

Received By: Date/Time:

Received By: Date/Time:

Received For Lab By: [signature] Date/Time: 5-28-98

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

Sample Integrity: (check)

BOE-C6-0148452

IES 10247

AOI 2
CB4 (confirm.)

										QC(S)								QC(W)		
							SAMP TYPE	S	S											
							RES CODE	PP01	PP01											
							SAMP ID	AOI2-CB4-C2	AOI4-SL-SI											
							SAMP DATE	06/04/98	06/04/98											
							SAMP TIME	8:40	12:30											
							SAMP DEPTH													
							PRESERVED													
							ICED	Y	Y											
							RECEIVED	06/04/98	06/04/98											
							REC TIME	2:50	2:50											
							BASIS	W	W											
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98060080	98060081	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC
							Tested													
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons													
							Tested		06/08/98	06/08/98										
6010	5.0	0.5		T		ppm	Antimony		<	98060081	0.00	10.0	10.4	10.2	104	102	2			
6010	1.0	0.1		T		ppm	Arsenic		2.5	98060081	0.05	10.0	10.9	10.6	109	106	3			
6010	0.1	0.01		T		ppm	Barium		89	98060081	1.78	5.00	6.96	6.78	104	100	3			
6010	0.1	0.01		T		ppm	Beryllium		<	98060081	0.00	1.00	1.14	1.09	114	109	4			
6010	0.1	0.01		T		ppm	Cadmium		<	98060081	0.00	1.00	1.07	1.03	107	103	4			
							Tested		06/04/98	06/04/98										
7196	0.5	0.01		T		ppm	Chromium (VI)		<	98060081	0.00	1.00	0.96	0.96	96	96	0			
							Tested		06/08/98	06/08/98										
6010	0.1	0.01		T		ppm	Chromium Total		7.7	98060081	0.15	1.00	1.21	1.17	106	102	3			
6010	0.5	0.1		T		ppm	Cobalt		4.0	98060081	0.08	1.00	1.13	1.10	105	102	3			
6010	0.1	0.01		T		ppm	Copper		12	98060081	0.23	1.00	1.39	1.34	116	111	4			
6010	1.0	0.1		T		ppm	Lead		3.7	98060081	0.07	5.00	5.04	4.90	99	97	3			
							Tested		06/05/98	06/05/98										
7471	0.01	0.002		T		ppm	Mercury		<	98060081	0.00	1.00	0.96	0.96	96	96	0			
							Tested		06/08/98	06/08/98										
6010	0.5	0.1		T		ppm	Molybdenum		<	98060081	0.00	5.00	5.14	4.97	103	99	3			
6010	0.5	0.1		T		ppm	Nickel		6.5	98060081	0.13	5.00	5.70	5.47	111	107	4			
6010	1.0	0.1		T		ppm	Selenium		<	98060081	0.00	10.0	10.8	10.5	108	105	3			
6010	0.1	0.1		T		ppm	Silver		<	98060081	0.00	5.00	5.20	5.04	104	101	3			
6010	5.0	0.5		T		ppm	Thallium		<	98060081	0.00	10.0	9.74	9.39	97	94	4			
6010	0.5	0.1		T		ppm	Vanadium		15	98060081	0.31	5.00	5.64	5.44	107	103	4			
6010	0.1	0.01		T		ppm	Zinc		23	98060081	0.47	1.00	1.51	1.47	104	100	3			
							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													

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		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	06/08/98	06/08/98										
							Dilution Factor	10	1										
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	OCA200	0.0	50	50	49	100	98	2			
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	<	OCA200	0.0	50	51	49	102	98	4			
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	<	OCA200	0.0	50	50	49	100	98	2			
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	<											

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8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	OCA200	0.0	50	51	49	102	98	4			
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	<	OCA200	0.0	50	51	50	102	100	2			
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	96											
					T	%	Toluene-d8	96											
					T	%	4-Bromofluorobenzene	67											
							Tested	06/05/98	06/05/98										
							Dilution Factor	1	1										
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	OCA200	0.0	50	36	35	72	70	3			
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	<											

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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	<	OCA200	0.0	100	60	76	60	76	24			
8270	100	5.0	95-57-8	T	ppb	2-Chlorophenol	<	OCA200	0.0	100	74	85	74	85	14			
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	<											
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	44	42	88	84	5			
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	41	43	82	86	5			
8270	100	5.0	62-75-9	T	ppb	N-Nitrosodimethylamine	<											
8270	250	50	87-86-5	T	ppb	Pentachlorophenol	<	OCA200	0.0	100	67	84	67	84	23			
8270	100	5.0	85-01-8	T	ppb	Phenanthrene	<											
8270	100	5.0	108-95-2	T	ppb	Phenol	<	OCA200	0.0	100	75	88	75	88	16			
8270	100	5.0	129-00-0	T	ppb	Pyrene	<	OCA200	0.0	50	38	36	76	72	5			
8270	100	5.0	120-82-1	T	ppb	1,2,4-Trichlorobenzene	<	OCA200	0.0	50	42	42	84	84	0			
8270	100	5.0	95-95-4	T	ppb	2,4,5-Trichlorophenol	<											

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol		<												
							Tested	06/05/98	06/05/98	06/05/98											
							Dilution Factor	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	<	<	9806080	0.0	250	190	170	76	68	11				
							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	72-54-8	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														
9010	0.40	0.020		T		ppm	Cyanide														

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

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SL[a]	DL[a]	RECOVER	D RECOVER	RPD

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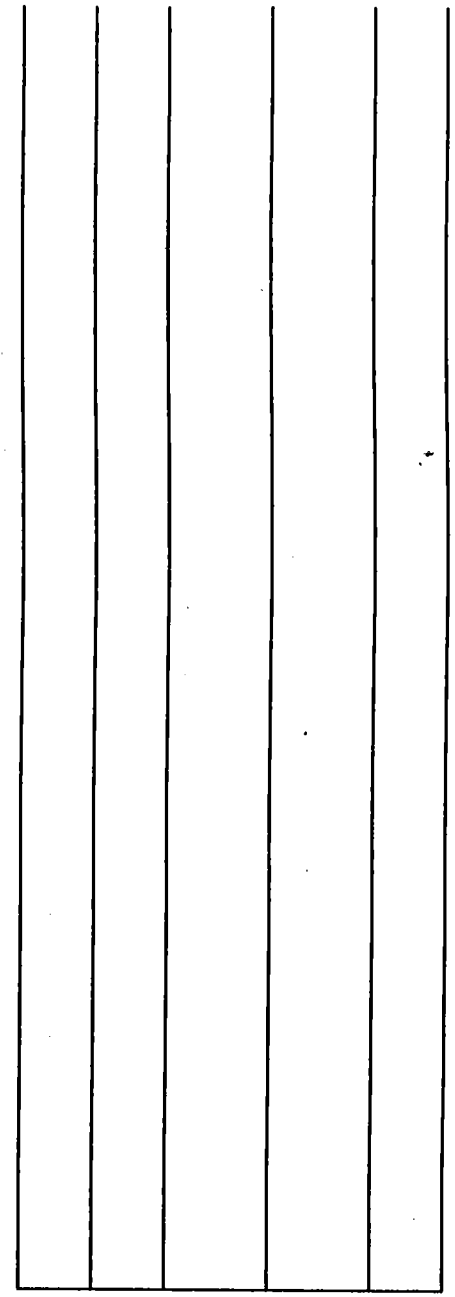

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Analysis Request an hain of Custody Record

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

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: STANDARD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Boeing c/o IESI	PROJECT NAME: Boeing C-6 facility
SEND REPORT TO: Joan Ornelas	NUMBER:
ADDRESS: 3990 Westerly Pl, Ste 210 Newport Beach, CA 92660	LOCATION:
	ADDRESS: 19503 Normandie Blvd Los Angeles, CA
PHONE: 714 852 9050 FAX: 714 852 9011	SAMPLED BY: JAD

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	Metals (6010)	PCBs (8080)					REMARKS/PRECAUTIONS
AOT2-CB4-C2	1	6/4/98	0840	Soil	4-oz	—				X					Fax results
AOT4-SL-S1	2	6/4/98	1230	Soil	4-oz	—	X	X	X	X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	6/4/98		

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

Received For Lab By: M. VanCarver Date/Time: 6-4-98 2:50 pm

Sample Integrity: (check)
intact ____ on ice ____

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APPENDIX E
LABORATORY REPORTS FOR AOI 3 ELECTRICAL TRANSMISSION TOWERS

PARCEL B

SUPPLEMENTAL SITE INVESTIGATION

BOEING REALTY CORPORATION

C-6 FACILITY

JULY 1998

AOI3 - TRANSMISSION TOW RRAY
Parcel B Boeing C-6 Facility

Sample Location	Depth (feet)	Sample ID No.	Date of Collection	Time of Collection	Analytical PCBs EPA 8080 (4-oz glass or stainless steel sleeve)	Date Sample Received at Laboratory	Chain-of-Custody No.	Comments	Soil Indicates Impact? YES (Excav. Area#)	NO (NFA)
CB1-S1	NA	AOI3-CB1-S1	4/30/98	1145	X	4/30/98	AOI3-2	CB1 is at south end of AOI3; brown and grayish-green clay; slightly moist; no ponded water; no odor		X
CB2-S1	NA	AOI3-CB2-S1	4/30/98	1148	X	4/30/98	AOI3-2	brown and grayish-green clay; slightly moist; no ponded water; no odor		X
CB3-S1	NA	AOI3-CB3-S1	4/30/98	1150	X	4/30/98	AOI3-2	brown and grayish-green clay; slightly moist; no ponded water; no odor		X
CB4-S1	NA	AOI3-CB4-S1	4/30/98	1050	X	4/30/98	AOI3-2	dark grayish-green clay; sticky; moist; no ponded water or odor		X
CB5-S1	NA	AOI3-CB5-S1	4/30/98	1050	X	4/30/98	AOI3-2	light grayish brown clay; dry; no odor		X
CB6-S1	NA	AOI3-CB6-S1	4/30/98	1035	X	4/30/98	AOI3-2	light brown clay; moist; no ponded water or odor		X
dup	NA	AOI3-CB6-S1D	4/30/98	1035	X	4/30/98	AOI3-2	light brown clay; moist; no ponded water or odor		X
CB7-S1	NA	AOI3-CB7-S1	4/30/98	1034	X	4/30/98	AOI3-2	dark grayish-green clay, sticky; moist; no ponded water or odor		X
CB8-S1	NA	AOI3-CB8-S1	4/30/98	1027	X	4/30/98	AOI3-2	dark grayish-green clay, sticky; moist; no ponded water or odor		X
CB9-S1	NA	AOI3-CB9-S1	4/30/98	948	X	4/30/98	AOI3-2	dark grayish-green clay, sticky; moist; no ponded water or odor		X
CB10-S1	NA	AOI3-CB10-S1	4/30/98	940	X	4/30/98	AOI3-2	dark grayish-green clay, sticky; moist; no ponded water or odor		X
CB11-S1	NA	AOI3-CB11-S1	4/30/98	935	X	4/30/98	AOI3-2	dark grayish-green clay, sticky; moist; no ponded water or odor		X
CB12-S1	NA	AOI3-CB12-S1	4/30/98	927	full suite	4/30/98	AOI3-2	ponded water contains layer of free product; no odor		X
CB13-S1	NA	AOI3-CB13-S1	4/30/98	923	X	4/30/98	AOI3-2	dark grayish-green clay; sticky; slight oily sheen over ponded water		X
CB14-S1	NA	AOI3-CB14-S1	4/30/98	920	X	4/30/98	AOI3-2	dark grayish-green clay; sticky; slight oily sheen over ponded water; no odor		X
CB15-S1	NA	AOI3-CB15-S1	4/30/98	920	X	4/30/98	AOI3-2	dark grayish-green clay; sticky; slight oily sheen over ponded water; no odor		X
CB16-S1	NA	AOI3-CB16-S1	4/30/98	1310	full suite	4/30/98	AOI3-2	dark gray clay soil with black tarry material		X
CB17-S1	NA	AOI3-CB17-S1	5/12/98	1105	full suite	5/13/98	AOI3-3	dark gray clay soil with black tarry material		X
CB18-S1	NA	AOI3-CB18-S1	5/12/98	1110	full suite	5/13/98	AOI3-3	dark gray clay soil with black tarry material		X

CONFIRMATION SAMPLES

C1	NA	AOI3-CB12-C1	5/15/98	900	X	5/15/98				X
C3	NA	AOI3-CB4-C2	5/15/98	915	X	5/15/98				X
C3	NA	AOI3-CB16-C3	5/28/98	935	full suite	5/28/98	AOI3-5	samples submitted to OCA for analysis		X
C4	NA	AOI3-CB17-C4	5/28/98	340	full suite	5/28/98	AOI3-5	samples submitted to OCA for analysis		X
C5	NA	AOI3-CB18-C5	5/28/98	950	full suite	5/28/98	AOI3-5	samples submitted to OCA for analysis		X

BOE-C6-0148465

AOI3 - TRANSMISSION TOWL .RAY
Parcel B Boeing C-6 Facility

Sample Location	Depth (feet)	Sample ID No.	Date of Collection	Time of Collection	Analytical PCBs EPA 8080 (4-oz glass or stainless steel sleeve)	Date Sample Received at Laboratory	Chain-of-Custody No.	Comments	Soil Indicates Impact? YES (Excav. Area#)	NO (NFA)
BORINGS										
B1	0.5	AOI3-B1-S1-0.5	4/29/1998	1025	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	1	AOI3-B1-S2-1.0	4/29/1998	1026	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	1.5	AOI3-B1-S3-1.5	4/29/1998	1027	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	2	AOI3-B1-S4-2.0	4/29/1998	1028	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	2.5	AOI3-B1-S5-2.5	4/29/1998	1029	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	3	AOI3-B1-S6-3.0	4/29/1998	1030	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
dup	3	AOI3-B1-S6D-3.0	4/29/1998	1031	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	3.5	AOI3-B1-S7-3.5	4/29/1998	1032	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	4	AOI3-B1-S8-4.0	4/29/1998	1033	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	4.5	AOI3-B1-S9-4.5	4/29/1998	1034	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
	5	AOI3-B1-S10-5.0	4/29/1998	1035	X	4/29/98	AOI3-1	west end of basin 6; brown clayey silt		X
B2	0.5	AOI3-B2-S1-0.5	4/29/1998	1040	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	1	AOI3-B2-S2-1.0	4/29/1998	1041	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	1.5	AOI3-B2-S3-1.5	4/29/1998	1042	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	2	AOI3-B2-S4-2.0	4/29/1998	1043	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	2.5	AOI3-B2-S5-2.5	4/29/1998	1044	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	3	AOI3-B2-S6-3.0	4/29/1998	1045	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	3.5	AOI3-B2-S7-3.5	4/29/1998	1046	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	4	AOI3-B2-S8-4.0	4/29/1998	1047	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	4.5	AOI3-B2-S9-4.5	4/29/1998	1048	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
	5	AOI3-B2-S10-5.0	4/29/1998	1049	X	4/29/98	AOI3-1	west end of basin 13; brown clayey silt		X
FIELD BLANK	--	FIELD BLANK #1	4/29/1998	1520	X	/ /1998	AOI3-1	standard TAT requested		X
EQ. RINSATE	--	RINSATE #1	4/29/1998	1530	X	/ /1998	AOI3-1	standard TAT requested		X
SUBTOTAL SAMPLES COLLECTED:										

Full suite analyses includes VOCs, SVOCs, PCBs, TPH, and Title 22 metals.

BOE-C6-0148466

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/5/98	Project :	C6 Facility Parcel B
Report # :	98027a.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

Field ID Number Lab ID Number		1 AOI3-CB15-S1	2 AOI3-CB14-S1	3 AOI3-CB13-S1	4 AOI3-CB12-S1	5 AOI3-CB11-S1	6 AOI3-CB10-S1
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		89%	45%	45%	50%	46%	48%
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027b.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

Field ID Number Lab ID Number		7 AOI3-CB9-S1	8 AOI3-CB8-S1	9 AOI3-CB7-S1	10 AOI3-CB6-S1	11 AOI3-CB6-S1D	12 AOI3-CB5-S1
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		50%	44%	44%	92%	80%	86%
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027c.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

Field ID Number Lab ID Number		13 AOI3-CB4-S1	14 AOI3-CB3-S1	15 AOI3-CB2-S1	16 AOI3-CB1-S1	17 AOI3-CB16-S1	18 AOI2-CB3-S1
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		164%	92%	46%	45%	48%	55%
Dilution factor (DF)		1	1	1	1	20*	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
* - diluted due to matrix effect
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/2/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027d.rpt	Units :	ug/Kg
Lab. ID # :	98027	Matrix :	Soil

Field ID Number Lab ID Number		19 AOI2-CB2-S1	20 AOI2-CB1-S1	21 AOI2-CB3-S1D			
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND			
Aroclor 1221	20	ND	ND	ND			
Aroclor 1232	20	ND	ND	ND			
Aroclor 1242	20	ND	ND	ND			
Aroclor 1248	20	ND	ND	ND			
Aroclor 1254	20	ND	ND	ND			
Aroclor 1260	20	ND	ND	ND			
Surrogate		18%	48%	51%			
Dilution factor (DF)		1	1	1			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY QC REPORT
EPA Method 8080 (PCB)

Date sampled :	4/30/98	Project Mgr :	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Service
Date extracted :	5/2/98	Project :	C6 Facility Parcel B
Date analyzed :	5/2/98 - 5/5/98	Units :	ug/Kg
Report # :	98027a.qac	Matrix :	Soil
Lab. ID # :	98027		
Sample Spiked:	AOI3-CB4-S1		

		Method Blank	Spike Conc.	LCS % Rec.	MS % Rec.	MSD % Rec.	RPD
ANALYTE	RL						
Aroclor 1016	20	ND	125	82%	92%	100%	8%
Aroclor 1221	20	ND	-	-	-	-	-
Aroclor 1232	20	ND	-	-	-	-	-
Aroclor 1242	20	ND	-	-	-	-	-
Aroclor 1248	20	ND	-	-	-	-	-
Aroclor 1254	20	ND	-	-	-	-	-
Aroclor 1260	20	ND	125	91%	107%	116%	8%

Notes :
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

EPA Method 8015M

Date sampled :	4/30/98	Project Mgr:	Joann Ornelas
Date received :	5/1/98	Client :	Integrated Environmental Services
Date analyzed :	5/6/98 - 5/7/98	Project :	C6 Facility Parcel B
Report # :	98027e.rpt	Units :	mg/Kg
Lab. ID # :	98027	Matrix :	Soil

Field ID Number Lab ID Number		4 AOI3-CB12-S1	17 AOI3-CB16-S1			
Target Compounds	RL					
PH as Diesel	10	ND	860			
Surrogate		76%	75%			
Dilution factor (DF)		1	1			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY QA / QC REPORT
EPA Method 8015(m) Extractables

Date sampled :	4/30/98	Project Mgr :	Joann Ornelas
Date received :	4/30/98	Client :	Boeing / Integrated Env. Serv.
Date analyzed :	5/7/98	Project :	C6 Facility, Parcel B
Date reported :	5/8/98	Units :	mg/Kg
Report # :	980507DS.QAC	Matrix :	Soil

Field ID Number Lab ID Number		Method Blank	Spike Amount	LCS % Rec.	MS % Rec.	MSD % Rec.	RPD
Analyte	RL						
TPH as Diesel	10	ND	50	82%	114%	108%	5%
Surrogate % Recovery		79%		83%	81%	76%	
Dilution Factor		1		1	1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
RL - Reporting limit

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Total Recoverable Petroleum Hydrocarbons by EPA Method 418.1

Date sampled :	4/30/98	**Project Mgr:**	Joann Ornelas
Date received :	5/1/98	**Client :**	Integrated Environmental Services
Date analyzed :	5/7/98 - 5/7/98	**Project :**	C6 Facility Parcel B
Report # :	98027f.rpt	**Units :**	mg/Kg
Lab. ID # :	98027	**Matrix :**	Soil

Field ID Number Lab ID Number		4 AOI3-CB12-S1	17 AOI3-CB16-S1			
Target Compounds	RL					
TRPH	10	ND	4000			
Dilution factor (DF)		1	20			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY QA / QC REPORT
EPA Method 8015(m) Extractables

Date sampled :	4/30/98	Project Mgr :	Joann Ornelas
Date received :	4/30/98	Client :	Boeing / Integrated Env. Serv.
Date analyzed :	5/7/98	Project :	C6 Facility, Parcel B
Report # :	980507IR.QAC	Units :	mg/Kg
Sample ID::	AOI3-CB-12-S1	Matrix :	Soil

Field ID Number Lab ID Number		Method Blank	Spike Amount	LCS % Rec.	MS % Rec.	MSD % Rec.	RPD
Analyte	RL						
TRPH	10	ND	47.2	103%	101%	103%	2%
Dilution Factor		1		1	1	1	

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed
RL - Reporting limit

LABORATORY ANALYTICAL REPORT

Volatile Organics by GC/MS EPA 8260

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Date sampled :	4/30/98	Project Mgr:	Joann P. Ornelas
Date received :	5/1/98	Client :	Boeing / Integrated Environmental Serv.
Date analyzed :	5/5/98	Project :	C6 Facility, Parcel B
Date reported :	5/5/98	Units :	µg/Kg
Report # :	2E058.rpt	Matrix :	soil
Lab. ID # :	2E058		

Field ID Number Lab ID Number		A0I3-CB12-S1 2E058-01	A0I3-CB16-S1 2E058-02				
Target Compounds	RL						
Dichlorodifluoromethane	10.0	ND	ND				
Chloromethane	10.0	ND	ND				
Vinyl chloride	10.0	ND	ND				
Bromomethane	10.0	ND	ND				
Chloroethane	10.0	ND	ND				
Trichlorofluoromethane	10.0	ND	ND				
Freon 113	10.0	ND	ND				
1,1-Dichloroethene	10.0	ND	ND				
Carbon Disulfide	5.0	ND	ND				
Methylene chloride	10.0	ND	ND				
trans-1,2-Dichloroethene	5.0	ND	ND				
1,1-Dichloroethane	5.0	ND	ND				
cis-1,2-Dichloroethene	5.0	ND	ND				
2,2-Dichloropropane	5.0	ND	ND				
Bromochloromethane	5.0	ND	ND				
Chloroform	5.0	ND	ND				
1,1,1-Trichloroethane	5.0	ND	ND				
Carbon tetrachloride	5.0	ND	ND				
1,1-Dichloropropene	5.0	ND	ND				
Benzene	5.0	ND	ND				
1,2-Dichloroethane	5.0	ND	ND				
Trichloroethene	5.0	ND	ND				
1,2-Dichloropropane	5.0	ND	ND				
Dibromomethane	5.0	ND	ND				
Bromodichloromethane	5.0	ND	ND				
cis-1,3-Dichloropropene	5.0	ND	ND				
Toluene	5.0	ND	ND				
trans-1,3-Dichloropropene	5.0	ND	ND				
1,1,2-Trichloroethane	5.0	ND	ND				
Tetrachloroethene	5.0	ND	ND				
1,3-Dichloropropane	5.0	ND	ND				
Dibromochloromethane	5.0	ND	ND				

Field ID Number Lab ID Number		A0I3-CB12-S1 2E058-01	A0I3-CB16-S1 2E058-02				
Target Compounds	RL						
1,2-Dibromoethane	5.0	ND	ND				
Chlorobenzene	5.0	ND	ND				
1,1,1,2-Tetrachloroethane	5.0	ND	ND				
Ethyl Benzene	5.0	ND	ND				
m,p-Xylene	5.0	ND	ND				
o-Xylene	5.0	ND	ND				
Styrene	5.0	ND	ND				
Bromoform	5.0	ND	ND				
Isopropyl benzene	5.0	ND	ND				
Bromobenzene	5.0	ND	ND				
1,1,2,2-Tetrachloroethane	5.0	ND	ND				
1,2,3-Trichloropropane	5.0	ND	ND				
n-Propylbenzene	5.0	ND	**5.9**				
2-Chlorotoluene	5.0	ND	ND				
4-Chlorotoluene	5.0	ND	ND				
1,3,5-Trimethyl benzene	5.0	ND	**28**				
tert-Butyl benzene	5.0	ND	ND				
1,2,4-Trimethyl benzene	5.0	ND	ND				
sec-Butyl benzene	5.0	ND	**6.3**				
1,3-Dichlorobenzene	5.0	ND	ND				
4-Isopropyl toluene	5.0	ND	**9.9**				
1,4-Dichlorobenzene	5.0	ND	ND				
1,2-Dichlorobenzene	5.0	ND	ND				
n-Butyl benzene	5.0	ND	**20**				
1,2-Dibromo-3-chloropropane	5.0	ND	ND				
1,2,4-Trichlorobenzene	5.0	ND	ND				
Hexachlorobutadiene	5.0	ND	ND				
Naphthalene	5.0	ND	**25**				
1,2,3-Trichlorobenzene	5.0	ND	ND				
1,2-Dichloroethane-d4	surr.	101%	110%				
Toluene-d8	surr.	104%	102%				
4-Bromofluorobenzene	surr.	104%	104%				
Dilution factor (DF)		1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY QC REPORT

Volatile Organics by GC/MS

ONSITE ENVIRONMENTAL LABORATORIES, INC

Date analyzed : 5/5/98
Date reported : 5/5/98
Report # : 2E0505.qac

Lab ID Number			M.Blank water	M.Blank soil	LCS		
					Spike level	Concentration	% Recovery
Target Compounds	RL s	RL w	µg/L	µg/Kg	µg/L	µg/L	
Dichlorodifluoromethane	10.0	1.0	ND	ND	12.5	9.82	79%
Chloromethane	10.0	1.0	ND	ND	12.5	12.73	102%
Vinyl chloride	10.0	1.0	ND	ND	12.5	12.92	103%
Bromomethane	10.0	1.0	ND	ND	12.5	12.67	101%
Chloroethane	10.0	1.0	ND	ND	12.5	11.95	96%
Trichlorofluoromethane	10.0	1.0	ND	ND	12.5	11.91	95%
Freon 113	10.0	1.0	ND	ND			
Acetone	25.0	5.0	ND	ND	12.5	13.23	106%
Methyl t-butyl ether	10.0	1.0	ND	ND			
1,1-Dichloroethene	5.0	0.5	ND	ND	12.5	11.35	91%
Carbon disulfide	5.0	0.5	ND	ND	12.5	11.82	95%
Methylene chloride	10.0	1.0	ND	ND	12.5	11.82	95%
trans-1,2-Dichloroethene	5.0	0.5	ND	ND	12.5	11.49	92%
Vinyl acetate	25.0	5.0	ND	ND	12.5	11.53	92%
1,1-Dichloroethane	5.0	0.5	ND	ND	12.5	12.68	101%
2-Butanone	25.0	5.0	ND	ND	12.5	10.67	85%
cis-1,2-Dichloroethene	5.0	0.5	ND	ND	12.5	12.67	101%
2,2-Dichloropropane	5.0	0.5	ND	ND	12.5	12.31	98%
Bromochloromethane	5.0	0.5	ND	ND	12.5	11.82	95%
Chloroform	5.0	0.5	ND	ND	12.5	12.44	100%
1,1,1-Trichloroethane	5.0	0.5	ND	ND	12.5	12.72	102%
Carbon tetrachloride	5.0	0.5	ND	ND	12.5	12.84	103%
1,1-Dichloropropene	5.0	0.5	ND	ND	12.5	12.68	101%
Benzene	5.0	0.5	ND	ND	12.5	12.61	101%
1,2-Dichloroethane	5.0	0.5	ND	ND	12.5	12.92	103%
Trichloroethene	5.0	0.5	ND	ND	12.5	12.56	100%
1,2-Dichloropropane	5.0	0.5	ND	ND	12.5	12.86	103%
Dibromomethane	5.0	0.5	ND	ND	12.5	11.78	94%
Bromodichloromethane	5.0	0.5	ND	ND	12.5	12.32	99%
2-Chloroethyl vinyl ether	10.0	1.0	ND	ND	12.5	9.04	72%
cis-1,3-Dichloropropene	5.0	0.5	ND	ND	12.5	12.02	96%
4-Methyl-2-pentanone	5.0	0.5	ND	ND	12.5	9.36	75%
Toluene	5.0	0.5	ND	ND	12.5	12.56	100%
trans-1,3-Dichloropropene	5.0	0.5	ND	ND	12.5	11.66	93%
1,1,2-Trichloroethane	5.0	0.5	ND	ND	12.5	11.88	95%

Lab ID Number			M.Blank water	M.Blank soil	LCS		
					Spike level	Concentration	% Recovery
Target Compounds	RLs	RLw	µg/L	µg/Kg	µg/L	µg/L	
2-Hexanone	25.0	5.0	ND	ND	12.5	9.74	78%
Tetrachloroethene	5.0	0.5	ND	ND	12.5	12.19	98%
1,3-Dichloropropane	5.0	0.5	ND	ND	12.5	12.15	97%
Dibromochloromethane	5.0	0.5	ND	ND	12.5	12.18	97%
1,2-Dibromoethane	5.0	0.5	ND	ND	12.5	11.62	93%
Chlorobenzene	5.0	0.5	ND	ND	12.5	12.83	103%
1,1,1,2-Tetrachloroethane	5.0	0.5	ND	ND	12.5	12.79	102%
Ethyl Benzene	5.0	0.5	ND	ND	12.5	13.08	105%
m,p-Xylene	5.0	0.5	ND	ND	12.5	25.15	201%
o-Xylene	5.0	0.5	ND	ND	12.5	12.82	103%
Styrene	5.0	0.5	ND	ND	12.5	12.64	101%
Bromoform	5.0	0.5	ND	ND	12.5	11.14	89%
Isopropyl benzene	5.0	0.5	ND	ND	12.5	13.20	106%
Bromobenzene	5.0	0.5	ND	ND	12.5	12.57	101%
1,1,2,2-Tetrachloroethane	5.0	0.5	ND	ND	12.5	11.60	93%
1,2,3-Trichloropropane	5.0	0.5	ND	ND	12.5	11.98	96%
n-Propylbenzene	5.0	0.5	ND	ND	12.5	13.53	108%
2-Chlorotoluene	5.0	0.5	ND	ND	12.5	13.47	108%
4-Chlorotoluene	5.0	0.5	ND	ND	12.5	13.17	105%
1,3,5-Trimethyl benzene	5.0	0.5	ND	ND	12.5	13.73	110%
tert-Butyl benzene	5.0	0.5	ND	ND	12.5	13.58	109%
1,2,4-Trimethyl benzene	5.0	0.5	ND	ND	12.5	13.43	107%
sec-Butyl benzene	5.0	0.5	ND	ND	12.5	13.14	105%
1,3-Dichlorobenzene	5.0	0.5	ND	ND	12.5	12.58	101%
4-Isopropyl toluene	5.0	0.5	ND	ND	12.5	13.10	105%
1,4-Dichlorobenzene	5.0	0.5	ND	ND	12.5	12.67	101%
1,2-Dichlorobenzene	5.0	0.5	ND	ND	12.5	12.25	98%
n-Butyl benzene	5.0	0.5	ND	ND	12.5	13.53	108%
1,2-Dibromo-3-chloropropane	5.0	0.5	ND	ND	12.5	11.91	95%
1,2,4-Trichlorobenzene	5.0	0.5	ND	ND	12.5	12.06	96%
Hexachlorobutadiene	5.0	0.5	ND	ND	12.5	12.94	104%
Naphthalene	5.0	0.5	ND	ND	12.5	11.68	93%
1,2,3-Trichlorobenzene	5.0	0.5	ND	ND	12.5	12.31	98%
TPH as gasoline	500	50	ND	ND	500	460	92%
Surrogates :	QC Limits						
1,2-Dichloroethane-d4	59% - 137%		105%	103%		112%	
Toluene-d8	83% - 115%		105%	103%		105%	
4-Bromofluorobenzene	83% - 119%		103%	105%		103%	
Dilution factor (DF)			1	1		1	

Notes :

ND - Analytes not detected at, or above the stated detection limit

RL - Reporting limit

DF - Dilution Factor

PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY QC REPORT
Volatiles by GC/MS

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Date analyzed : 5/5/98
Date reported : 5/6/98
Report # : 2E0505.qac

Units : µg/Kg
Matrix : soil

Lab ID Number	2E060-01	Spike level	2E060-01 MS		2E060-01 MSD		RPD
			Conc.	% Recov.	Conc.	% Recov.	%
Target Compounds							
1,1-Dichloroethene	ND	100	99.08	99%	100.41	100%	1.3%
Benzene	ND	100	99.70	100%	97.65	98%	2.1%
Trichloroethene	ND	100	105.18	105%	104.11	104%	1.0%
Toluene	ND	100	83.44	83%	83.02	83%	0.5%
Chlorobenzene	ND	100	104.14	104%	105.26	105%	1.1%
1,2-Dichloroethane-d4	116%		113%		113%		
Toluene-d8	103%		85%		83%		
4-Bromofluorobenzene	105%		136%		135%		
Dilution factor (DF)	1		1		1		

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

CHAIN OF CUSTODY RE D AND ANALYSIS REQUEST

COC No. A013 2

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	JOANN P. ORNELAS
Client Name:	BOEING / INTEGRATED ENV. SERV.
Address:	3990 WESTERLY PL., STE. 210
City, State ZIP	NEWPORT BEACH, CA. 92660
Phone:	(714) 852-9050
Fax:	(714) 852-9011

Bill to:	BOEING C/O TEST
Company:	" " "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Date:	4-30-98
Page:	1 of 2
Laboratory:	ONSITE
Lab Number:	18027-

Project Name:	C6 FACILITY PARCEL B
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - ~~Gas (8015M)~~ 418.1	TPH - Diesel (8015M)	PCB's (8080)	VOC (8260)	SVOC (8270)	TITLE 22 METALS		No. Containers	Remarks
A013-CB15-S1	4-30-98	0920	SOIL		1320						X					1	RUSH ANALYSIS 24-48 HR. TAT ANALYZE IN SEQUENTIAL ORDER BEGINNING WITH C1 FAX RESULTS
-CB14-S1		0920									X					1	
-CB13-S1		0923									X					1	
-CB12-S1		0927							X	X	X	X	X	X		2	48 HR. TAT
-CB11-S1		0935									X					1	
-CB10-S1		0940									X					1	
-CB9-S1		0948									X					1	
-CB8-S1		1027									X					1	
-CB7-S1		1034									X					1	
-CB6-S1		1035									X					1	
-CB6-S1D		1035									X					1	
-CB5-S1		1050									X					1	
-CB4-S1		1050									X					1	
-CB3-S1		1145									X					1	

Initials:	Printed Name:	Signature:		
			Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	15
Received Intact:	✓
Received Cold:	✓
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0148481

CHAIN OF CUSTODY REC J AND ANALYSIS REQUEST

COC No. AOI: Pg. 2 of 2

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	JOANN P. ORNELAS
Client Name:	BOEING / INTEGRATED ENV. SERV.
Address:	3990 WESTERLY PL., STE. 210
City, State ZIP	NEWPORT BEACH, CA. 92660
Phone:	(714) 852-9050
Fax:	(714) 852-9081

Bill to:	BOEING C/O IESI
Company:	" " "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Date:	4-30-98
Page:	2 of 2
Laboratory:	ONSITE
Lab Number:	98027

Project Name:	C6 FACILITY PARCEL B
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - ~~Gas (8015M)~~ GRO	TPH - Diesel (8015M)	PCB's (8080)	VOC (8260)	SVOC (8270)	TITLE 22 METALS		No. Containers	Remarks
AOI3-CB2-51	4-30-98	~~4-30-98~~ 1140	SOIL		1320						X					1	
AOI3-CB1-51	4-30-98	~~4-30-98~~ 1150	SOIL								X					1	
AOI3-CB1L-51	4-30-98	1310	SOIL						X	X	X	X	X	X		2	RUSH ANALYSIS 24-48 HR. TAT ANALYZE IN SEQUENTIAL ORDER BEGINNING WITH CB. FAX RESULTS 48 hr TAT

Initials:	Printed Name:	Signature:		
JP	[illegible]	[illegible]	Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	2
Received Intact:	✓
Received Cold:	✓
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0148482

CHAIN OF CUSTODY REC[illegible] AND ANALYSIS REQUEST

COC No. . I2-1

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	JOANN P. ORNELAS
Client Name:	BOEING / INTEGRATED ENV. SERV.
Address:	3990 WESTERLY PL. STE. 210
City, State ZIP	NEWPORT BEACH, CA. 92660
Phone:	(714) 852-9050
Fax:	(714) 852-9011

Bill to:	BOEING C/O IESI
Company:	" " "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Date:	4-30-98
Page:	1 of 1
Laboratory:	ON SITE
Lab Number:	98027

Project Name:	C6 FACILITY PARCEL B
Project Number:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	PCB's (8080)					No. Containers	Remarks
AOI2-CB3-S1	4-30-98	1210	SOIL	[illegible]	1320						X					1	RUSH ANALYSIS
AOI2-CB2-S1		1235									X					1	
~~AOI2-CB2-S1D~~											X					1	
AOI2-CB1-S1		1240									X					1	
AOI2-CB5-S1D		1230									X					1	
~~AOI3-CB6-S1~~		1250									X					1	

Initials:	Printed Name:	Signature:
JO	JOANN P. ORNELAS	[illegible]

Date:	
Start Time:	
Stop Time:	
Hours:	
Client Sign-off:	

Total Containers:	4
Received Intact:	/
Received Cold:	/ 4°C
Custody Seals:	NA

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0148483

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

May 13, 1998

Mr. Jeff Loving
Integrated Environmental Services
3990 Westerly Pl., Suite 210
Newport Beach, CA 92660

Project Name: **C6 Facility, Parcel B**
Lab ID #: **98027**

Attached are the laboratory analytical reports for the samples collected on April 30, 1998 and received by Onsite Environmental Laboratories on May 1, 1998. Two soil samples requiring semivolatile organics and trace metals analyses were subcontracted to Clayton Laboratory Services. Also enclosed is a copy of the completed chain-of-custody records. All unused samples will be discarded after June 1, 1998 unless instructed otherwise.

If you have any questions regarding these reports, please contact us at (510) 490-8571.

Sincerely,

Peter Balas
Vice President
Onsite Environmental Services

5500 Boscell Common
Fremont, CA 94538
(510) 490-8571

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

Clayton
LABORATORY
SERVICES

May 6, 1998

Mr. Peter Bales
ONSITE ENVIRONMENTAL LABORATORIES, INC.
5500 Boscell Common
Fremont, CA 94538

Client Ref.: SOCAL
Clayton Project No.: 98050.14

Dear Mr. Bales:

Attached is our analytical laboratory report for the samples received on May 1, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after June 5, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (510) 426-2657.

Sincerely,

Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB16-S1	Date Sampled:	04/30/98
Lab Number:	9805014-01A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.5
2-Chlorophenol	95-57-8	ND	0.5
2,4-Dichlorophenol	120-83-2	ND	0.5
2,4-Dimethylphenol	105-67-9	ND	0.5
2,4-Dinitrophenol	51-28-5	ND	3
2-Methyl-4,6-dinitrophenol	534-52-1	ND	3
2-Methylphenol	95-48-7	ND	0.5
4-Methylphenol	106-44-5	ND	0.5
2-Nitrophenol	88-75-5	ND	0.5
4-Nitrophenol	100-02-7	ND	3
Pentachlorophenol	87-86-5	ND	3
Phenol	108-95-2	ND	0.5
2,4,5-Trichlorophenol	95-95-4	ND	0.5
2,4,6-Trichlorophenol	88-06-2	ND	0.5
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.5
Acenaphthylene	208-96-8	ND	0.5
Anthracene	120-12-7	ND	0.5
Benzidine	92-87-5	ND	10
Benzoic acid	65-85-0	ND	2
Benzo(a)anthracene	56-55-3	ND	0.5
Benzo(b)fluoranthene	205-99-2	ND	0.5
Benzo(k)fluoranthene	207-08-9	ND	0.5
Benzo(ghi)perylene	191-24-2	ND	0.5
Benzo(a)pyrene	50-32-8	ND	0.5
Benzyl alcohol	100-51-6	ND	1
Benzyl butyl phthalate	85-68-7	ND	0.5
Bis(2-chloroethoxy)methane	111-91-1	ND	0.5

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB16-S1	Date Sampled:	04/30/98
Lab Number:	9805014-01A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.5
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.5
Bis(2-ethylhexyl)phthalate	117-81-7	33	5
4-Bromophenyl phenyl ether	101-55-3	ND	0.5
4-Chloroaniline	106-47-8	ND	3
2-Chloronaphthalene	91-58-7	ND	0.5
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.5
Chrysene	218-01-9	ND	0.5
Dibenzo(a,h)anthracene	53-70-3	ND	0.5
Dibenzofuran	132-64-9	ND	0.5
Di-n-butylphthalate	84-74-2	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
3,3'-Dichlorobenzidine	91-94-1	ND	10
Diethylphthalate	84-66-2	ND	0.5
Dimethylphthalate	131-11-3	ND	0.5
2,4-Dinitrotoluene	121-14-2	ND	0.5
2,6-Dinitrotoluene	606-20-2	ND	0.5
Di-n-octylphthalate	117-84-0	0.9	0.5
Fluoranthene	206-44-0	ND	0.5
Fluorene	86-73-7	ND	0.5
Hexachlorobenzene	118-74-1	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Hexachlorocyclopentadiene	77-47-4	ND	5
Hexachloroethane	67-72-1	ND	0.5
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.5
Isophorone	78-59-1	ND	0.5
2-Methyl naphthalene	91-57-6	ND	0.5
Naphthalene	91-20-3	ND	0.5

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB16-S1	Date Sampled:	04/30/98
Lab Number:	9805014-01A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	3
3-Nitroaniline	99-09-2	ND	3
4-Nitroaniline	100-01-6	ND	3
Nitrobenzene	98-95-3	ND	0.5
N-Nitrosodiphenylamine	86-30-6	ND	0.5
N-Nitrosodi-n-propylamine	621-64-7	ND	0.5
Phenanthrene	85-01-8	ND	0.5
Pyrene	129-00-0	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	107	30 - 115
2-Fluorophenol	367-12-4	78	25 - 121
Nitrobenzene-d5	4165-60-0	80	23 - 120
Phenol-d5	13127-88-3	97	24 - 113
Terphenyl-d14	98904-43-9	121	18 - 137
2,4,6-Tribromophenol	118-79-6	100	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.
Note: Detection limits increased due to matrix interference.

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB12-S1	Date Sampled:	04/30/98
Lab Number:	9805014-02A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.1
2-Chlorophenol	95-57-8	ND	0.1
2,4-Dichlorophenol	120-83-2	ND	0.1
2,4-Dimethylphenol	105-67-9	ND	0.1
2,4-Dinitrophenol	51-28-5	ND	0.5
2-Methyl-4,6-dinitrophenol	534-52-1	ND	0.5
2-Methylphenol	95-48-7	ND	0.1
4-Methylphenol	106-44-5	ND	0.1
2-Nitrophenol	88-75-5	ND	0.1
4-Nitrophenol	100-02-7	ND	0.5
Pentachlorophenol	87-86-5	ND	0.5
Phenol	108-95-2	ND	0.1
2,4,5-Trichlorophenol	95-95-4	ND	0.1
2,4,6-Trichlorophenol	88-06-2	ND	0.1
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.1
Acenaphthylene	208-96-8	ND	0.1
Anthracene	120-12-7	ND	0.1
Benzidine	92-87-5	ND	3
Benzoic acid	65-85-0	ND	0.4
Benzo(a)anthracene	56-55-3	ND	0.1
Benzo(b)fluoranthene	205-99-2	ND	0.1
Benzo(k)fluoranthene	207-08-9	ND	0.1
Benzo(ghi)perylene	191-24-2	ND	0.1
Benzo(a)pyrene	50-32-8	ND	0.1
Benzyl alcohol	100-51-6	ND	0.2
Benzyl butyl phthalate	85-68-7	ND	0.1
Bis(2-chloroethoxy)methane	111-91-1	ND	0.1

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB12-S1	Date Sampled:	04/30/98
Lab Number:	9805014-02A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.1
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.1
Bis(2-ethylhexyl)phthalate	117-81-7	ND	1
4-Bromophenyl phenyl ether	101-55-3	ND	0.1
4-Chloroaniline	106-47-8	ND	0.5
2-Chloronaphthalene	91-58-7	ND	0.1
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.1
Chrysene	218-01-9	ND	0.1
Dibenzo(a,h)anthracene	53-70-3	ND	0.1
Dibenzofuran	132-64-9	ND	0.1
Di-n-butylphthalate	84-74-2	ND	0.1
1,2-Dichlorobenzene	95-50-1	ND	0.1
1,3-Dichlorobenzene	541-73-1	ND	0.1
1,4-Dichlorobenzene	106-46-7	ND	0.1
3,3'-Dichlorobenzidine	91-94-1	ND	3
Diethylphthalate	84-66-2	ND	0.1
Dimethylphthalate	131-11-3	ND	0.1
2,4-Dinitrotoluene	121-14-2	ND	0.1
2,6-Dinitrotoluene	606-20-2	ND	0.1
Di-n-octylphthalate	117-84-0	ND	0.1
Fluoranthene	206-44-0	ND	0.1
Fluorene	86-73-7	ND	0.1
Hexachlorobenzene	118-74-1	ND	0.1
Hexachlorobutadiene	87-68-3	ND	0.1
Hexachlorocyclopentadiene	77-47-4	ND	1
Hexachloroethane	67-72-1	ND	0.1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.1
Isophorone	78-59-1	ND	0.1
2-Methyl naphthalene	91-57-6	ND	0.1
Naphthalene	91-20-3	ND	0.1

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	AOI3-CB12-S1	Date Sampled:	04/30/98
Lab Number:	9805014-02A	Date Received:	05/01/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/05/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	0.5
3-Nitroaniline	99-09-2	ND	0.5
4-Nitroaniline	100-01-6	ND	0.5
Nitrobenzene	98-95-3	ND	0.1
N-Nitrosodiphenylamine	86-30-6	ND	0.1
N-Nitrosodi-n-propylamine	621-64-7	ND	0.1
Phenanthrene	85-01-8	ND	0.1
Pyrene	129-00-0	ND	0.1
1,2,4-Trichlorobenzene	120-82-1	ND	0.1
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	84	30 - 115
2-Fluorophenol	367-12-4	72	25 - 121
Nitrobenzene-d5	4165-60-0	74	23 - 120
Phenol-d5	13127-88-3	83	24 - 113
Terphenyl-d14	98904-43-9	94	18 - 137
2,4,6-Tribromophenol	118-79-6	85	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805014-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/04/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.1
2-Chlorophenol	95-57-8	ND	0.1
2,4-Dichlorophenol	120-83-2	ND	0.1
2,4-Dimethylphenol	105-67-9	ND	0.1
2,4-Dinitrophenol	51-28-5	ND	0.5
2-Methyl-4,6-dinitrophenol	534-52-1	ND	0.5
2-Methylphenol	95-48-7	ND	0.1
4-Methylphenol	106-44-5	ND	0.1
2-Nitrophenol	88-75-5	ND	0.1
4-Nitrophenol	100-02-7	ND	0.5
Pentachlorophenol	87-86-5	ND	0.5
Phenol	108-95-2	ND	0.1
2,4,5-Trichlorophenol	95-95-4	ND	0.1
2,4,6-Trichlorophenol	88-06-2	ND	0.1
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.1
Acenaphthylene	208-96-8	ND	0.1
Anthracene	120-12-7	ND	0.1
Benzidine	92-87-5	ND	3
Benzoic acid	65-85-0	ND	0.4
Benzo(a)anthracene	56-55-3	ND	0.1
Benzo(b)fluoranthene	205-99-2	ND	0.1
Benzo(k)fluoranthene	207-08-9	ND	0.1
Benzo(ghi)perylene	191-24-2	ND	0.1
Benzo(a)pyrene	50-32-8	ND	0.1
Benzyl alcohol	100-51-6	ND	0.2
Benzyl butyl phthalate	85-68-7	ND	0.1
Bis(2-chloroethoxy)methane	111-91-1	ND	0.1

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805014-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/04/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.1
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.1
Bis(2-ethylhexyl)phthalate	117-81-7	ND	1
4-Bromophenyl phenyl ether	101-55-3	ND	0.1
4-Chloroaniline	106-47-8	ND	0.5
2-Chloronaphthalene	91-58-7	ND	0.1
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.1
Chrysene	218-01-9	ND	0.1
Dibenzo(a,h)anthracene	53-70-3	ND	0.1
Dibenzofuran	132-64-9	ND	0.1
Di-n-butylphthalate	84-74-2	ND	0.1
1,2-Dichlorobenzene	95-50-1	ND	0.1
1,3-Dichlorobenzene	541-73-1	ND	0.1
1,4-Dichlorobenzene	106-46-7	ND	0.1
3,3'-Dichlorobenzidine	91-94-1	ND	3
Diethylphthalate	84-66-2	ND	0.1
Dimethylphthalate	131-11-3	ND	0.1
2,4-Dinitrotoluene	121-14-2	ND	0.1
2,6-Dinitrotoluene	606-20-2	ND	0.1
Di-n-octylphthalate	117-84-0	ND	0.1
Fluoranthene	206-44-0	ND	0.1
Fluorene	86-73-7	ND	0.1
Hexachlorobenzene	118-74-1	ND	0.1
Hexachlorobutadiene	87-68-3	ND	0.1
Hexachlorocyclopentadiene	77-47-4	ND	1
Hexachloroethane	67-72-1	ND	0.1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.1
Isophorone	78-59-1	ND	0.1
2-Methyl naphthalene	91-57-6	ND	0.1
Naphthalene	91-20-3	ND	0.1

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805014-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/01/98
Extraction Method:	EPA 3550	Date Analyzed:	05/04/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	0.5
3-Nitroaniline	99-09-2	ND	0.5
4-Nitroaniline	100-01-6	ND	0.5
Nitrobenzene	98-95-3	ND	0.1
N-Nitrosodiphenylamine	86-30-6	ND	0.1
N-Nitrosodi-n-propylamine	621-64-7	ND	0.1
Phenanthrene	85-01-8	ND	0.1
Pyrene	129-00-0	ND	0.1
1,2,4-Trichlorobenzene	120-82-1	ND	0.1
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	82	30 - 115
2-Fluorophenol	367-12-4	66	25 - 121
Nitrobenzene-d5	4165-60-0	72	23 - 120
Phenol-d5	13127-88-3	79	24 - 113
Terphenyl-d14	98904-43-9	87	18 - 137
2,4,6-Tribromophenol	118-79-6	62	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification: AOI3-CB16-S1
Lab Number: 9805014-01
Sample Matrix/Media: SOIL

Date Sampled: 04/30/98
Date Received: 05/01/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Barium	83	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Beryllium	0.1	0.1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Chromium	13	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cobalt	7	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Copper	14	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Lead	6	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	05/04/98	05/05/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Nickel	12	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Selenium	1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Vanadium	27	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Zinc	54	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification: AOI3-CB12-S1
Lab Number: 9805014-02
Sample Matrix/Media: SOIL

Date Sampled: 04/30/98
Date Received: 05/01/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Barium	160	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Beryllium	0.3	0.1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Chromium	19	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Copper	19	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
[illegible]l	13	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
[illegible]cury	<0.1	0.1	mg/kg	05/04/98	05/05/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Nickel	16	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Selenium	1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Thallium	3	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Vanadium	42	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Zinc	47	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Onsite Environmental^ Laboratories, Inc.
Client Reference: SOCAL
Clayton Project No. 98050.14

Sample Identification: METHOD BLANK
Lab Number: 9805014-03
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
d	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
cury	<0.1	0.1	mg/kg	05/04/98	05/05/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	05/04/98	05/05/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

KN 1

IMPORTANT

Date Results Requested: 48 hr turn

Rush Charges Authorized? ☒ Yes ☐ No

☐ Phone or ☒ Fax Results

For Clayton Use Only
Clayton Lab Project No.
9805014

REPORT RESULTS TO

Name: Onsite Env Labs
Company: Pete Baker
Mailing Address: 5500 Bosell Common
City, State, Zip: Fremont CA 94538
Telephone No.: 510-490-8571
FAX No.: 8572
Client Job No.: SoCal
Dept.:

SEND INVOICE TO

Purchase Order No.:
Name:
Company:
Dept.:
Address:
City, State, Zip:

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

* Explanation of Preservative

Samples are:
(check if applicable)
☐ Drinking Water
☐ Groundwater
☐ Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.*)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	8270 SVOC	Title 22 Metals									FOR LAB USE ONLY
AOI 3-CB16-S1	4/30/98		Soil		1	X	X									-01A
AOI 3-CB12-S1	4/30/98		Soil		1	X	X									-02A

CHAIN OF CUSTODY

Collected by: (print)
Collector's Signature:
Relinquished by: Peter Baker — Date/Time 5/1/98
Received by: — Date/Time 5/1/98 4:19
Relinquished by: — Date/Time 4:16 pm
Received by: — Date/Time
Method of Shipment:
Received at Lab by: — Date/Time
Authorized by: (Client Signature MUST Accompany Request) — Date 5/1/98
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

San Francisco Regional Lab
1252 Quarry Lane
Pleasanton, CA 94566
(800) 294-1755
(510) 426-2657
FAX (510) 426-0106

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

DISTRIBUTION:
White = Clayton Laboratory
Yellow = Clayton Accounting
Pink = Client Copy

9/97 20K

BOE-C6-0148498

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

May 8, 1998

Mr. Jeff Loving
Integrated Environmental Services
3990 Westerly Pl., Suite 210
Newport Beach, CA 92660

Project Name: **C6 Facility, Parcel B**
Lab ID #: **98026**

Attached are the laboratory analytical reports for the samples collected on April 29, 1998 and received by Onsite Environmental Laboratories on April 30, 1998. Also enclosed is a copy of the completed chain-of-custody records. All unused samples will be discarded after May 30, 1998 unless instructed otherwise.

If you have any questions regarding these reports, please contact us at (510) 490-8571.

Sincerely,

Peter Balas
Vice President
Onsite Environmental Services

5500 Boscell Common
Fremont, CA 94538
(510) 490-8571

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/29/98	Project Mgr:	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Services
Date analyzed :	5/1/98 & 5/2/98	Project :	C6 Facility Parcel B
Report # :	98026a.rpt	Units :	ug/Kg
Lab. ID # :	98026	Matrix :	Soil

Field ID Number Lab ID Number		1 AOI3-B1-S1	2 AOI3-B1-S2	3 AOI3-B1-S3	4 AOI3-B1-S4	5 AOI3-B1-S5	6 AOI3-B1-S6
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		98%	46%	38%	44%	93%	74%
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/29/98	Project Mgr:	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Services
Date analyzed :	5/1/98 & 5/2/98	Project :	C6 Facility Parcel B
Report # :	98026b.rpt	Units :	ug/Kg
Lab. ID # :	98026	Matrix :	Soil

Field ID Number Lab ID Number		7 AOI3-B1-S6D	8 AOI3-B1-S7	9 AOI3-B1-S8	10 AOI3-B1-S9	11 AOI3-B1-S10	12 AOI3-B2-S1
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		63%	51%	49%	230%	74%	72%
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/29/98	Project Mgr:	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Services
Date analyzed :	5/1/98 - 5/5/98	Project :	C6 Facility Parcel B
Report # :	98026c.rpt	Units :	ug/Kg
Lab. ID # :	98026	Matrix :	Soil

Field ID Number Lab ID Number		13 AOI3-B2-S2	14 AOI3-B2-S3	15 AOI3-B2-S4	16 AOI3-B2-S5	17 AOI3-B2-S6	18 AOI3-B2-S7
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND	ND	ND	ND
Aroclor 1221	20	ND	ND	ND	ND	ND	ND
Aroclor 1232	20	ND	ND	ND	ND	ND	ND
Aroclor 1242	20	ND	ND	ND	ND	ND	ND
Aroclor 1248	20	ND	ND	ND	ND	ND	ND
Aroclor 1254	20	ND	ND	ND	ND	ND	ND
Aroclor 1260	20	ND	ND	ND	ND	ND	ND
Surrogate		60%	84%	46%	247%	48%	39%
Dilution factor (DF)		1	1	1	1	1	1

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/29/98	Project Mgr:	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Services
Date analyzed :	5/1/98 & 5/4/98	Project :	C6 Facility Parcel B
Report # :	98026d.rpt	Units :	ug/Kg
Lab. ID # :	98026	Matrix :	Soil

Field ID Number Lab ID Number		19 AOI3-B2-S8	20 AOI3-B2-S9	21 AOI3-B2-S10			
Target Compounds	RL						
Aroclor 1016	20	ND	ND	ND			
Aroclor 1221	20	ND	ND	ND			
Aroclor 1232	20	ND	ND	ND			
Aroclor 1242	20	ND	ND	ND			
Aroclor 1248	20	ND	ND	ND			
Aroclor 1254	20	ND	ND	ND			
Aroclor 1260	20	ND	ND	ND			
Surrogate		46%	48%	112%			
Dilution factor (DF)		1	1	1			

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC

Polychlorinated Biphenyls by Method 8080

Date sampled :	4/29/98	Project Mgr:	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Services
Date analyzed :	5/7/98 & 5/8/98	Project :	C6 Facility Parcel B
Report # :	98026e.rpt	Units :	ug/L
Lab. ID # :	98026	Matrix :	Water

Field ID Number Lab ID Number		22 FB-1	23 EB-1				
Target Compounds	RL						
Aroclor 1016	1	ND	ND				
Aroclor 1221	1	ND	ND				
Aroclor 1232	1	ND	ND				
Aroclor 1242	1	ND	ND				
Aroclor 1248	1	ND	ND				
Aroclor 1254	1	ND	ND				
Aroclor 1260	1	ND	ND				
Surrogate		97%	107%				
Dilution factor (DF)		1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

ONSITE
ENVIRONMENTAL
LABORATORIES, INC

LABORATORY QC REPORT
EPA Method 8080 (PCB)

Date sampled :	4/29/98	Project Mgr :	Joann Ornelas
Date received :	4/30/98	Client :	Integrated Environmental Service
Date extracted :	5/1/98	Project :	C6 Facility Parcel B
Date analyzed :	5/1/98 - 5/5/98	Units :	ug/Kg
Report # :	98026a.qac	Matrix :	Soil
Lab. ID # :	98026		
Sample Spiked:	AOI3-B1-S10		

		Method Blank	Spike Conc.	LCS % Rec.	MS % Rec.	MSD % Rec.	RPD
ANALYTE	RL						
Aroclor 1016	20	ND	125	104%	79%	73%	8%
Aroclor 1221	20	ND	-	-	-	-	-
Aroclor 1232	20	ND	-	-	-	-	-
Aroclor 1242	20	ND	-	-	-	-	-
Aroclor 1248	20	ND	-	-	-	-	-
Aroclor 1254	20	ND	-	-	-	-	-
Aroclor 1260	20	ND	125	86%	70%	65%	7%

Notes :
ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY QC REPORT
EPA Method 8080 (PCB)

Date extracted :	5/7/98	Project Mgr :	Joann Ornelas
Date analyzed :	5/7/1998 - 5/8/1998	Client :	Integrated Environmental Services
Report # :	98026c.qac	Project :	C6 Facility Parcel B
		Units :	ug/L
		Matrix :	water

		Method Blank	Spike Conc.	LCS % Rec.			
ANALYTE	RL						
Aroclor 1016	1	ND	2.5	154%			
Aroclor 1221	1	ND	-	-			
Aroclor 1232	1	ND	-	-			
Aroclor 1242	1	ND	-	-			
Aroclor 1248	1	ND	-	-			
Aroclor 1254	1	ND	-	-			
Aroclor 1260	1	ND	2.5	120%			

Notes : ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit

COC No. 1013-1
Pg 1 of 2

CHAIN OF CUSTODY REC D AND ANALYSIS REQUEST

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

Project Manager:	Joann Orneles
Client Name:	Boeing/Integrated Environ. Serv.
Address:	3990 Westerly Pl. Ste 210
City, State ZIP	Newport Beach, CA 92660
Phone:	714 852 9050
Fax:	714 852 9011

Bill to:	Boeing c/o IESI
Company:	" " "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Date:	4-29-98
Page:	1 of 2
Laboratory:	
Lab Number:	98026

Project Name:	CL Facility, Parcel B
Project Number:	

P.O. No.:	

Analysis Requested

	Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	8080 (PCB's)					No Containers	Rush Analysis 24 to 48 hr TAT Remarks
1	AOI3-B1-S1	4-29-98	1025	Soil	JRO	4:20p						X					1	
2	-S2		1026														1	
3	-S3		1027														1	
4	-S4		1028														1	
5	-S5		1029														1	
6	-S6		1030														1	
7	-S6D		1031														1	
8	-S7		1032														1	
9	-S8		1033														1	
10	-S9		1034														1	
11	-S10		1035														1	
12	-B2-S1		1040														1	
13	-S2		1041														1	
14	-S3		1042														1	

Initials:	Printed Name:	Signature:		
JRO	Joann R. Orneles	[signature]	Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	14
Received Intact:	✓
Received Cold:	✓ 7°C
Custody Seals:	NA

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0148507

COC No. A013-1
Pg 2 of 2

CHAIN OF CUSTODY REC[illegible]D AND ANALYSIS REQUEST

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	4-29-98
Page:	2 of 2
Laboratory:	
Lab Number:	98026

Project Manager:	~~Boeing~~ Integrated Environ Serv
Client Name:	Boeing/Integrated Environ Serv.
Address:	3990 Westerly Pl, Ste 210
City, State ZIP	Newport Beach, CA 92660
Phone:	714 852 9050
Fax:	714 852 9011

Bill to:	Boeing C/O ILSI
Company:	" "
Address:	SAME
City, State ZIP	
Phone:	
Fax:	

Project Name:	~~Boeing~~ C6 Facility, Parcel B
Project Number:	

P.O. No.:	

Analysis Requested

	Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - Gas (8015M)	TPH - Diesel (8015M)	PCB's (8080)					No. Containers	Remarks
5	AOI3-B2-S4	4-29-98	1043	SOIL	JR	4:20pm						X					1	Rush Analysis 24 to 48 hr TAT
6	-S5		1044															
17	-S6		1045															
18	-S7		1046															
19	-S8		1047															
20	-S9		1048															
21	-S10		1049															
22	FB-1		1520	WATER														STANDARD TAT
23	EB-1		1530															STANDARD TAT

Initials:	Printed Name:	Signature:		
JR	Jerry P. Ornelas	[signature]	Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	9
Received Intact:	✓
Received Cold:	✓ 3°C
Custody Seals:	NA

BOE-C6-0148508

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	5/15/98	Project Mgr:	Joann Ornelas
Date received :	5/18/98	Client :	Integrated Environmental Services
Date analyzed :	5/18/98 - 5/19/98	Project :	C6 Facility Parcel B
Report # :	1E055.rpt	Units :	ug/Kg
Lab. ID # :	1E055	Matrix :	Soil

AOI 3
Confirmation

Field ID Number Lab ID Number		1 AOI2-CB2-C1	2 AOI3-CB4-C2	3 AOI3-CB12-C1				
Target Compounds	RL							
Aroclor 1016	20	ND	ND	ND				
Aroclor 1221	20	ND	ND	ND				
Aroclor 1232	20	ND	ND	ND				
Aroclor 1242	20	ND	ND	ND				
Aroclor 1248	20	ND	ND	ND				
Aroclor 1254	20	ND	ND	ND				
Aroclor 1260	20	ND	ND	ND				
Surrogate		94%	92%	98%				
Dilution factor (DF)		1	1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB17-51	Date Sampled:	05/12/98
Lab Number:	9805203-01A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.5
2-Chlorophenol	95-57-8	ND	0.5
2,4-Dichlorophenol	120-83-2	ND	0.5
2,4-Dimethylphenol	105-67-9	ND	0.5
2,4-Dinitrophenol	51-28-5	ND	3
2-Methyl-4,6-dinitrophenol	534-52-1	ND	3
2-Methylphenol	95-48-7	ND	0.5
4-Methylphenol	106-44-5	ND	0.5
2-Nitrophenol	88-75-5	ND	0.5
4-Nitrophenol	100-02-7	ND	3
Pentachlorophenol	87-86-5	ND	3
Phenol	108-95-2	ND	0.5
2,4,5-Trichlorophenol	95-95-4	ND	0.5
2,4,6-Trichlorophenol	88-06-2	ND	0.5
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.5
Acenaphthylene	208-96-8	ND	0.5
Anthracene	120-12-7	ND	0.5
Benzidine	92-87-5	ND	10
Benzoic acid	65-85-0	ND	2
Benzo(a)anthracene	56-55-3	ND	0.5
Benzo(b)fluoranthene	205-99-2	ND	0.5
Benzo(k)fluoranthene	207-08-9	ND	0.5
Benzo(ghi)perylene	191-24-2	ND	0.5
Benzo(a)pyrene	50-32-8	ND	0.5
Benzyl alcohol	100-51-6	ND	1
Benzyl butyl phthalate	85-68-7	ND	0.5
Bis(2-chloroethoxy)methane	111-91-1	ND	0.5

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB17-51	Date Sampled:	05/12/98
Lab Number:	9805203-01A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.5
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.5
Bis(2-ethylhexyl)phthalate	117-81-7	ND	5
4-Bromophenyl phenyl ether	101-55-3	ND	0.5
4-Chloroaniline	106-47-8	ND	3
2-Chloronaphthalene	91-58-7	ND	0.5
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.5
Chrysene	218-01-9	ND	0.5
Dibenzo(a,h)anthracene	53-70-3	ND	0.5
Dibenzofuran	132-64-9	ND	0.5
Di-n-butylphthalate	84-74-2	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
3,3'-Dichlorobenzidine	91-94-1	ND	10
Diethylphthalate	84-66-2	ND	0.5
Dimethylphthalate	131-11-3	ND	0.5
2,4-Dinitrotoluene	121-14-2	ND	0.5
2,6-Dinitrotoluene	606-20-2	ND	0.5
Di-n-octylphthalate	117-84-0	ND	0.5
Fluoranthene	206-44-0	ND	0.5
Fluorene	86-73-7	ND	0.5
Hexachlorobenzene	118-74-1	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Hexachlorocyclopentadiene	77-47-4	ND	5
Hexachloroethane	67-72-1	ND	0.5
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.5
Isophorone	78-59-1	ND	0.5
2-Methyl naphthalene	91-57-6	ND	0.5
Naphthalene	91-20-3	ND	0.5

Clayton LABORATORY SERVICES

PRELIMINARY

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB17-51	Date Sampled:	05/12/98
Lab Number:	9805203-01A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	3
3-Nitroaniline	99-09-2	ND	3
4-Nitroaniline	100-01-6	ND	3
Nitrobenzene	98-95-3	ND	0.5
N-Nitrosodiphenylamine	86-30-6	ND	0.5
N-Nitrosodi-n-propylamine	621-64-7	ND	0.5
Phenanthrene	85-01-8	ND	0.5
Pyrene	129-00-0	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5

Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	56	30 - 115
2-Fluorophenol	367-12-4	41	25 - 121
Nitrobenzene-d5	4165-60-0	49	23 - 120
Phenol-d5	13127-88-3	57	24 - 113
Terphenyl-d14	98904-43-9	102	18 - 137
2,4,6-Tribromophenol	118-79-6	45	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB18-51	Date Sampled:	05/12/98
Lab Number:	9805203-02A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.5
2-Chlorophenol	95-57-8	ND	0.5
2,4-Dichlorophenol	120-83-2	ND	0.5
2,4-Dimethylphenol	105-67-9	ND	0.5
2,4-Dinitrophenol	51-28-5	ND	3
2-Methyl-4,6-dinitrophenol	534-52-1	ND	3
2-Methylphenol	95-48-7	ND	0.5
4-Methylphenol	106-44-5	ND	0.5
2-Nitrophenol	88-75-5	ND	0.5
4-Nitrophenol	100-02-7	ND	3
Pentachlorophenol	87-86-5	ND	3
Phenol	108-95-2	ND	0.5
2,4,5-Trichlorophenol	95-95-4	ND	0.5
2,4,6-Trichlorophenol	88-06-2	ND	0.5
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.5
Acenaphthylene	208-96-8	ND	0.5
Anthracene	120-12-7	ND	0.5
Benzidine	92-87-5	ND	10
Benzoic acid	65-85-0	ND	2
Benzo(a)anthracene	56-55-3	ND	0.5
Benzo(b)fluoranthene	205-99-2	ND	0.5
Benzo(k)fluoranthene	207-08-9	ND	0.5
Benzo(ghi)perylene	191-24-2	ND	0.5
Benzo(a)pyrene	50-32-8	ND	0.5
Benzyl alcohol	100-51-6	ND	1
Benzyl butyl phthalate	85-68-7	ND	0.5
Bis(2-chloroethoxy)methane	111-91-1	ND	0.5

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB18-51	Date Sampled:	05/12/98
Lab Number:	9805203-02A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.5
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.5
Bis(2-ethylhexyl)phthalate	117-81-7	ND	5
4-Bromophenyl phenyl ether	101-55-3	ND	0.5
4-Chloroaniline	106-47-8	ND	3
2-Chloronaphthalene	91-58-7	ND	0.5
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.5
Chrysene	218-01-9	ND	0.5
Dibenzo(a,h)anthracene	53-70-3	ND	0.5
Dibenzofuran	132-64-9	ND	0.5
Di-n-butylphthalate	84-74-2	ND	0.5
1,2-Dichlorobenzene	95-50-1	ND	0.5
1,3-Dichlorobenzene	541-73-1	ND	0.5
1,4-Dichlorobenzene	106-46-7	ND	0.5
3,3'-Dichlorobenzidine	91-94-1	ND	10
Diethylphthalate	84-66-2	ND	0.5
Dimethylphthalate	131-11-3	ND	0.5
2,4-Dinitrotoluene	121-14-2	ND	0.5
2,6-Dinitrotoluene	606-20-2	ND	0.5
Di-n-octylphthalate	117-84-0	ND	0.5
Fluoranthene	206-44-0	ND	0.5
Fluorene	86-73-7	ND	0.5
Hexachlorobenzene	118-74-1	ND	0.5
Hexachlorobutadiene	87-68-3	ND	0.5
Hexachlorocyclopentadiene	77-47-4	ND	5
Hexachloroethane	67-72-1	ND	0.5
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.5
Isophorone	78-59-1	ND	0.5
2-Methyl naphthalene	91-57-6	ND	0.5
Naphthalene	91-20-3	ND	0.5

Clayton LABORATORY SERVICES

PRELIMINARY

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	AOI3-CB18-51	Date Sampled:	05/12/98
Lab Number:	9805203-02A	Date Received:	05/13/98
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/15/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	3
3-Nitroaniline	99-09-2	ND	3
4-Nitroaniline	100-01-6	ND	3
Nitrobenzene	98-95-3	ND	0.5
N-Nitrosodiphenylamine	86-30-6	ND	0.5
N-Nitrosodi-n-propylamine	621-64-7	ND	0.5
Phenanthrene	85-01-8	ND	0.5
Pyrene	129-00-0	ND	0.5
1,2,4-Trichlorobenzene	120-82-1	ND	0.5
Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	71	30 - 115
2-Fluorophenol	367-12-4	48	25 - 121
Nitrobenzene-d5	4165-60-0	59	23 - 120
Phenol-d5	13127-88-3	70	24 - 113
Terphenyl-d14	98904-43-9	110	18 - 137
2,4,6-Tribromophenol	118-79-6	56	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805203-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/14/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Acid Extractables			
4-Chloro-3-methylphenol	59-50-7	ND	0.1
2-Chlorophenol	95-57-8	ND	0.1
2,4-Dichlorophenol	120-83-2	ND	0.1
2,4-Dimethylphenol	105-67-9	ND	0.1
2,4-Dinitrophenol	51-28-5	ND	0.5
2-Methyl-4,6-dinitrophenol	534-52-1	ND	0.5
2-Methylphenol	95-48-7	ND	0.1
4-Methylphenol	106-44-5	ND	0.1
2-Nitrophenol	88-75-5	ND	0.1
4-Nitrophenol	100-02-7	ND	0.5
Pentachlorophenol	87-86-5	ND	0.5
Phenol	108-95-2	ND	0.1
2,4,5-Trichlorophenol	95-95-4	ND	0.1
2,4,6-Trichlorophenol	88-06-2	ND	0.1
Base/Neutral Extractables			
Acenaphthene	83-32-9	ND	0.1
Acenaphthylene	208-96-8	ND	0.1
Anthracene	120-12-7	ND	0.1
Benzidine	92-87-5	ND	3
Benzoic acid	65-85-0	ND	0.4
Benzo(a)anthracene	56-55-3	ND	0.1
Benzo(b)fluoranthene	205-99-2	ND	0.1
Benzo(k)fluoranthene	207-08-9	ND	0.1
Benzo(ghi)perylene	191-24-2	ND	0.1
Benzo(a)pyrene	50-32-8	ND	0.1
Benzyl alcohol	100-51-6	ND	0.2
Benzyl butyl phthalate	85-68-7	ND	0.1
Bis(2-chloroethoxy)methane	111-91-1	ND	0.1

Clayton LABORATORY SERVICES

PRELIMINARY

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805203-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/14/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
Bis(2-chloroethyl)ether	111-44-4	ND	0.1
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.1
Bis(2-ethylhexyl)phthalate	117-81-7	ND	1
4-Bromophenyl phenyl ether	101-55-3	ND	0.1
4-Chloroaniline	106-47-8	ND	0.5
2-Chloronaphthalene	91-58-7	ND	0.1
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.1
Chrysene	218-01-9	ND	0.1
Dibenzo(a,h)anthracene	53-70-3	ND	0.1
Dibenzofuran	132-64-9	ND	0.1
Di-n-butylphthalate	84-74-2	ND	0.1
1,2-Dichlorobenzene	95-50-1	ND	0.1
1,3-Dichlorobenzene	541-73-1	ND	0.1
1,4-Dichlorobenzene	106-46-7	ND	0.1
3,3'-Dichlorobenzidine	91-94-1	ND	3
Diethylphthalate	84-66-2	ND	0.1
Dimethylphthalate	131-11-3	ND	0.1
2,4-Dinitrotoluene	121-14-2	ND	0.1
2,6-Dinitrotoluene	606-20-2	ND	0.1
Di-n-octylphthalate	117-84-0	ND	0.1
Fluoranthene	206-44-0	ND	0.1
Fluorene	86-73-7	ND	0.1
Hexachlorobenzene	118-74-1	ND	0.1
Hexachlorobutadiene	87-68-3	ND	0.1
Hexachlorocyclopentadiene	77-47-4	ND	1
Hexachloroethane	67-72-1	ND	0.1
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.1
Isophorone	78-59-1	ND	0.1
2-Methyl naphthalene	91-57-6	ND	0.1
Naphthalene	91-20-3	ND	0.1

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9805203-03A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	05/13/98
Extraction Method:	EPA 3550	Date Analyzed:	05/14/98
Method Reference:	EPA 8270B	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Method Detection Limit (mg/kg)
Base/Neutral Extractables (Continued)			
2-Nitroaniline	88-74-4	ND	0.5
3-Nitroaniline	99-09-2	ND	0.5
4-Nitroaniline	100-01-6	ND	0.5
Nitrobenzene	98-95-3	ND	0.1
N-Nitrosodiphenylamine	86-30-6	ND	0.1
N-Nitrosodi-n-propylamine	621-64-7	ND	0.1
Phenanthrene	85-01-8	ND	0.1
Pyrene	129-00-0	ND	0.1
1,2,4-Trichlorobenzene	120-82-1	ND	0.1

Surrogates		Recovery (%)	QC Limits (%)
2-Fluorobiphenyl	321-60-8	77	30 - 115
2-Fluorophenol	367-12-4	75	25 - 121
Nitrobenzene-d5	4165-60-0	75	23 - 120
Phenol-d5	13127-88-3	90	24 - 113
Terphenyl-d14	98904-43-9	120	18 - 137
2,4,6-Tribromophenol	118-79-6	61	19 - 122

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

PRELIMINARY

Clayton LABORATORY SERVICES

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification: AOI3-CB17-51
Lab Number: 9805203-01
Sample Matrix/Media: SOIL

Date Sampled: 05/12/98
Date Received: 05/13/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Arsenic	8	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Barium	430	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Beryllium	0.4	0.1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Chromium	40	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Cobalt	22	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Copper	36	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Lead	16	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
rcury	<0.1	0.1	mg/kg	05/14/98	05/14/98	EPA 7471A	EPA 7471A
lybdenum	<1	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Nickel	32	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Thallium	10	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Vanadium	88	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Zinc	100	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton LABORATORY SERVICES

PRELIMINARY

Analytical Results
for
Onsite Environmental Laboratories, Inc.

Clayton Project No. 98052.03

Sample Identification: AOI3-CB18-S1
Lab Number: 9805203-02
Sample Matrix/Media: SOIL

Date Sampled: 05/12/98
Date Received: 05/13/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Arsenic	9	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Barium	300	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Beryllium	0.3	0.1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Cadmium	0.4	0.4	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Chromium	40	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Cobalt	20	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Copper	45	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Lead	18	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	05/14/98	05/14/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Nickel	33	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Thallium	12	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Vanadium	90	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A
Zinc	140	1	mg/kg	05/13/98	05/13/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

ONSITE ENVIRONMENTAL LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT

Volatile Organics by GC/MS EPA 8260B

Date sampled :	5/12/98	Project Mgr:	Joann Ornelas
Date received :	5/13/98	Client :	Boeing % IESI
Date reported :	5/15/98	Project :	C6 Facility Parcel B
Report # :	2E068.rpt	Units :	mg/Kg
Lab. ID # :	2E068	Matrix :	Soil

Field ID Number		AOI3-CB17-S1	AOI3-CB18-S1				
Lab ID Number		2E068-01	2E068-02				
Date Analyzed	RL	5/14/98	5/14/98				
Dichlorodifluoromethane	0.005	ND	ND				
Chloromethane	0.005	ND	ND				
Vinyl chloride	0.005	ND	ND				
Bromomethane	0.005	ND	ND				
Chloroethane	0.005	ND	ND				
Trichlorofluoromethane	0.005	ND	ND				
Freon 113	0.005	ND	ND				
Acetone	0.05	0.25	0.74				
Methyl t-butyl ether	0.05	ND	ND				
1,1-Dichloroethane	0.005	ND	ND				
Carbon disulfide	0.005	ND	ND				
Methylene chloride	0.005	ND	ND				
trans-1,2-Dichloroethene	0.005	ND	ND				
Vinyl acetate	0.01	ND	ND				
1,1-Dichloroethane	0.005	ND	ND				
2-Butanone	0.05	ND	ND				
cis-1,2-Dichloroethene	0.005	ND	ND				
2,2-Dichloropropane	0.005	ND	ND				
Bromochloromethane	0.005	ND	ND				
Chloroform	0.005	ND	ND				
1,1,1-Trichloroethane	0.005	ND	ND				
Carbon tetrachloride	0.005	ND	ND				
1,1-Dichloropropene	0.005	ND	ND				
Benzene	0.005	ND	ND				
1,2-Dichloroethane	0.005	ND	ND				
Trichloroethene	0.005	ND	ND				
1,2-Dichloropropane	0.005	ND	ND				
Dibromomethane	0.005	ND	ND				
Bromodichloromethane	0.005	ND	ND				
2-Chloroethyl vinyl ether	0.01	ND	ND				
cis-1,3-Dichloropropene	0.005	ND	ND				
4-Methyl-2-pentanone	0.05	ND	ND				
Toluene	0.005	ND	ND				
trans-1,3-Dichloropropene	0.005	ND	ND				
1,1,2-Trichloroethane	0.005	ND	ND				

2E064 (2)

Field ID Number Lab ID Number		AOI3-CB17-S1 2E068-01	AOI3-CB18-S1 2E068-02				
Date Analyzed	RL	5/14/98	5/14/98				
2-Hexanone	0.05	ND	ND				
Tetrachloroethene	0.005	ND	ND				
1,3-Dichloropropane	0.005	ND	ND				
Dibromochloromethane	0.005	ND	ND				
1,2-Dibromoethane	0.005	ND	ND				
Chlorobenzene	0.005	ND	ND				
1,1,1,2-Tetrachloroethane	0.005	ND	ND				
Ethyl Benzene	0.005	ND	ND				
m,p-Xylene	0.005	ND	ND				
o-Xylene	0.005	ND	ND				
Styrene	0.005	ND	ND				
Bromoform	0.005	ND	ND				
Isopropyl benzene	0.005	ND	ND				
Bromobenzene	0.005	ND	ND				
1,1,2,2-Tetrachloroethane	0.005	ND	ND				
1,2,3-Trichloropropane	0.005	ND	ND				
n-Propylbenzene	0.005	ND	ND				
2-Chlorotoluene	0.005	ND	ND				
4-Chlorotoluene	0.005	ND	ND				
1,3,5-Trimethyl benzene	0.005	ND	ND				
tert-Butyl benzene	0.005	ND	ND				
1,2,4-Trimethyl benzene	0.005	ND	ND				
sec-Butyl benzene	0.005	ND	ND				
1,3-Dichlorobenzene	0.005	ND	ND				
4-Isopropyl toluene	0.005	ND	ND				
1,4-Dichlorobenzene	0.005	ND	ND				
1,2-Dichlorobenzene	0.005	ND	ND				
n-Butyl benzene	0.005	ND	ND				
1,2-Dibromo-3-chloropropane	0.005	ND	ND				
1,2,4-Trichlorobenzene	0.005	ND	ND				
Hexachlorobutadiene	0.005	ND	ND				
Naphthalene	0.005	ND	0.018				
1,2,3-Trichlorobenzene	0.005	ND	ND				
TPH as gasoline	1	NR	NR				
Surrogates :	QC Limits						
1,2-Dichloroethane-d4	9% - 117	93%	91%				
Toluene-d8	3% - 115	105%	102%				
4-Bromofluorobenzene	3% - 119	110%	106%				
Dilution factor (DF)		1	1				

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample
J - Estimated value
mg/Kg - Milligrams per kilogram (PPM)

Laboratory director

Date

Onsite Environmental Laboratories, Inc. 5500 Boscell Common, Fremont CA 94538 Tel: (510) 490-8571 Fax: (510) 490-8572

98039a

LABORATORY ANALYTICAL REPORT

ONSITE ENVIRONMENTAL LABORATORIES, INC.

Polychlorinated Biphenyls by Method 8080

Date sampled :	5/12/98	Project Mgr:	Joann Ornelas
Date received :	5/13/98	Client :	Integrated Environmental Services
Date analyzed :	5/14/98	Project :	C6 Facility Parcel B
Report # :	98039a.rpt	Units :	ug/Kg
Lab. ID # :	98039	Matrix :	Soil

Field ID Number Lab ID Number		1 AOI3-CB17-S1	2 AOI3-CB18-S1					
Target Compounds	RL							
Aroclor 1016	20	ND	ND					
Aroclor 1221	20	ND	ND					
Aroclor 1232	20	ND	ND					
Aroclor 1242	20	ND	ND					
Aroclor 1248	20	ND	ND					
Aroclor 1254	20	ND	ND					
Aroclor 1260	20	ND	ND					
Surrogate		73%	73%					
Dilution factor (DF)		20 *	1					

Notes :

ND - Analytes not detected at, or above the stated detection limit
RL - Reporting limit
DF - Dilution Factor
* - Sample dilution required due to matrix interference.
PQL - Practical Quantitation Limit - Multiply RL by the DF to obtain the PQL for a specific sample

CHAIN OF CUSTODY RE[illegible] AND ANALYSIS REQUEST

AOI 3-3

5500 Boscell Common Fremont, CA 94538 Tel. (510) 490-8571 Fax. (510) 490-8572

ONSITE
ENVIRONMENTAL LABORATORIES, INC.
[redacted]

Date:	5/12/98
Page:	1 of 1
Laboratory:	
Lab Number:	

Project Manager:	JOANN P. ORNELAS
Client Name:	Boeing c/o IESI
Address:	3990 Westerly Pl, Ste 210
City, State ZIP	Newport Beach, CA 92660
Phone:	714 852 9050
Fax:	714 852 9011

Project Name:	C6 Facility Parcel B
Project Number:	

Bill to:	Joann P. Ornelas
Company:	Boeing c/o IESI
Address:	[illegible]
City, State ZIP	
Phone:	
Fax:	

P.O. No.:	

Analysis Requested

Sample Identification	Date Sampled	Time Sampled	Matrix	Sampled & Relinquished By:	Time Relinquished:	Received By:	Lab ID	BTEX (8021)	TPH - ~~Gas (8015M)~~ 418.1	TPH - Diesel (8015M)	VOCs (8260)	SVOCs (8270)	PCBs (8080)	Metals 6010/7196/7471		No. Containers	Remarks
AOI3-CB17-S1	5/12/98	1105	Soil	[illegible]	1230				X	X	X	X	X	X		2	48 hr TAT Fax Results
AOI3-CB18-S1	5/12/98	1110	Soil	[illegible]	1230				X	X	X	X	X	X		2	

Initials:	Printed Name:	Signature:		
[illegible]	Joann P. Ornelas	[illegible]	Date:	
			Start Time:	
			Stop Time:	
			Hours:	
			Client Sign-off:	

Total Containers:	
Received Intact:	
Received Cold:	
Custody Seals:	

White Copy - Admin/Lab Yellow - Mobile Lab Pink - Client

BOE-C6-0148524

IES 10228

10I3
c. rmation

								CB16	CB17	CB18					
							SAMP TYPE	S	S	S	S	S	S	S	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	BF11
							SAMP ID	AOI3-CB16-C3	AOI3-CB17-C4	AOI3-CB18-C5	AOI2-CB4-S1	AOI2-CB5-S1			EQUIP BLANK
							SAMP DATE	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98			
							SAMP TIME	9:35	9:40	9:50	9:40	9:30			
							SAMP DEPTH								
							PRESERVED								, N, H
							ICED	Y	Y	Y					Y
							RECEIVED	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98			
							REC TIME	11:50	11:50	11:50	11:50	11:50			
							BASIS	W	W	W	W	W			W
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98050296	98050297	98050298	98050299	98050300			
							Tested	05/28/98	05/28/98	05/28/98					
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	<	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	5.0	0.5		T		ppm	Antimony	<	<	<					
6010	1.0	0.1		T		ppm	Arsenic	4.6	4.7	8.3					
6010	0.1	0.01		T		ppm	Barium	170	200	210					
6010	0.1	0.01		T		ppm	Beryllium	0.69	0.68	0.73					
6010	0.1	0.01		T		ppm	Cadmium	<	<	<					
							Tested	05/28/98	05/28/98	05/28/98					
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	0.1	0.01		T		ppm	Chromium Total	28	27	28					
6010	0.5	0.1		T		ppm	Cobalt	13	14	14					
6010	0.1	0.01		T		ppm	Copper	30	30	31					
6010	1.0	0.1		T		ppm	Lead	5.0	5.1	6.0					
							Tested	05/28/98	05/28/98	05/28/98					
7471	0.01	0.002		T		ppm	Mercury	0.047	<	<					
							Tested	05/29/98	05/29/98	05/29/98					
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<					
6010	0.5	0.1		T		ppm	Nickel	22	23	23					
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	58	57	60					
6010	0.1	0.01		T		ppm	Zinc	67	66	71					
							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-C6-0148525

		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	05/28/98	05/28/98	05/28/98	
						Dilution Factor	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	<		<	

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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	96	92	95							
					T	%	Toluene-d8	90	91	92							
					T	%	4-Bromofluorobenzene	97	96	95							
							Tested	05/28/98	05/28/98	05/28/98							
							Dilution Factor	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	<	<	<							

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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 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	<	<	<							
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	<	<	<							

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<						
							Tested	05/28/98	05/28/98	05/28/98	05/28/98	05/28/98				
							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									
							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	72-54-8	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	05/28/98	05/28/98	05/28/98						
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.

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		QC(S)								QC(W)							
W BR11 RINSATE BLANK , N, H Y W	W BT11 TRIP BLANK , N, H Y W																
		LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD
		05/29/98															
		98050296	0.00	10.0	9.14	9.25	91	93	1								
		98050296	0.09	10.0	9.53	9.60	94	95	1								
		98050296	3.39	5.00	7.60	7.57	84	84	0								
		98050296	0.01	1.00	0.98	0.98	97	97	0								
		98050296	0.00	1.00	0.94	0.94	94	94	0								
		05/28/98															
		98050296	0.00	1.00	0.92	0.92	92	92	0								
		05/29/98															
		98050296	0.55	1.00	1.39	1.39	84	84	0								
		98050296	0.27	1.00	1.12	1.13	85	86	1								
		98050296	0.59	1.00	1.58	1.57	99	98	1								
		98050296	0.10	5.00	4.29	4.32	84	84	1								
		05/28/98															
		98050296	0.047	1.00	1.10	1.20	105	115	9								
		05/29/98															
		98050296	0.00	5.00	4.35	4.39	87	88	1								
		98050296	0.45	5.00	4.99	5.03	91	92	1								
		98050296	0.00	10.0	9.25	9.31	93	93	1								
		98050296	0.00	5.00	4.80	4.78	96	96	0								
		98050296	0.00	10.0	8.07	8.12	81	81	1								
		98050296	1.16	5.00	5.62	5.60	89	89	0								
		98050296	1.33	1.00	2.18	2.19	85	86	0								

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		05/28/98 1 OCA200	0.0	50	48	49	96	98	2								
			0.0	50	50	51	100	102	2								
			0.0	50	43	45	86	90	5								

			0.0	50	49	49	98	98	0										
			0.0	50	51	51	102	102	0										
		05/28/98 1 98050296	0.0	50	38	38	76	76	0										

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98050296	0.0	100	73	72	73	72	1
98050296	0.0	100	72	74	72	74	3
98050296	0.0	50	44	45	88	90	2
98050296	0.0	50	44	45	88	90	2
98050296	0.0	100	75	75	75	75	0
98050296	0.0	100	71	74	71	74	4
98050296	0.0	50	34	35	68	70	3
98050296	0.0	50	44	45	88	90	2

		05/29/98																
		98050296	0.0	250	160	180	64	72	12									
		05/28/98 98050297	0.0	100	79	85	79	85	7									

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Analysis Request and Chain of Custody Record

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

Lab Job No: AOI3-5
Page 1 of 1

REQUIRED TAT: 24 hr TAT

CUSTOMER INFORMATION

COMPANY: Boeing C/O JEST
SEND REPORT TO: Joann Ornelas
ADDRESS: 3990 Westerly Pl. Ste 210
Newport Beach, CA 92660
PHONE: 714 852-9050 FAX: 714 852-9011

PROJECT INFORMATION

PROJECT NAME: Boeing C-6 facility
NUMBER: AOI3
LOCATION:
ADDRESS: 19503 S. Normandie Ave
Los Angeles, CA
SAMPLED BY:

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	TPH-d (8015)	TPH (418.1)	PCBs (8080)	Metals (6010/7470/7471)			REMARKS/PRECAUTIONS
AOI3-CB16-C3	2	5/28/98	0935	soil	4oz	—	X	X	X	X	X	X			Fax Results
AOI3-CB17-C4	2	↓	0940	↓	↓	↓	X	X	X	X	X	X			
AOI3-CB18-C5	2	↓	0950	↓	↓	↓	X	X	X	X	X	X			
AOI2-CB4-S1	1	5/28/98	0940	↓	↓	↓					X				
AOI2-CB5-S1	1	5/28/98	0930	↓	↓	↓					X				

Total No. of Samples:

Relinquished By: [signature] Date/Time: 5/28/98 11:50

Relinquished By: Date/Time:

Relinquished By: Date/Time:

All samples remain ...

Method of Shipment: Delivered

Received By: Date/Time:

Received By: Date/Time:

Received For Lab By: [signature] Date/Time: 5-28-98 11:...

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

Sample Integrity: (check)

BOE-C6-0148535

APPENDIX F
LABORATORY REPORTS FOR AOI 4 BUILDING AREA

PARCEL B

SUPPLEMENTAL SITE INVESTIGATION

BOEING REALTY CORPORATION

C-6 FACILITY

JULY 1998

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM								
							SAMP TYPE	S	S	S	S	S	S	S	S
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01
							SAMP ID	AOI4-B12-1-1.0	AOI4-B12-2-5.0	AOI4-B16-1-0.5	AOI4-B16-2-4.5	AOI4-B16-20-5.0	AOI4-B13-1-1.0	AOI4-B13-2-5.0	AOI4-B13-3-10 0
							SAMP DATE	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
							SAMP TIME	7:30	7:35	8:00	8:05	8:05	8:40	8:45	8:50
							SAMP DEPTH	1'	5'	0.5'	4.5'	5'	1'	5'	10'
							PRESERVED								
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
							REC TIME	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40
							BASIS	W	W	W	W	W	W	W	W
								98050204	98050205	98050206	98050207	98050208	98050209	98050210	98050211
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							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								

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		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	05/22/98	05/22/98
							Dilution Factor	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	<	<

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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	6.9	<								
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	4.3	<								
					T	%	Dibromofluoromethane	93	96								
					T	%	Toluene-d8	96	94								
					T	%	4-Bromofluorobenzene	95	98								
							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										

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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

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol								
							Tested	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
							Dilution Factor	1	1	1	1	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								
							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								
9010/335.2	0.40	0.02		T		ppm	Cyanide								

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

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S	S	S	S	S	S	S	S	S	S			
PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01
AOI4-B14-1-1.0	AOI4-B14-2-5.0	AOI4-B14-3-10.0	AOI4-B15-1-0.25	AOI4-B15-2-5.0	AOI4-B15-3-10.0	AOI4-B17-1-0.0	AOI4-B17-2-5.0	AOI4-B17-3-10.0	AOI4-B17-4-15.0	AOI4-B18-1-0.0	AOI4-B18-2-5.0	AOI4-B18-3-10.0
05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
9.30	9:35	9:40	10:15	10:20	10:25	11:45	11:50	11:55	12:00	13:25	13:30	13:35
1'	5'	10'	0.25'	5'	10'	0'	5'	10'	15'	0'	5'	10'
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40
W	W	W	W	W	W	W	W	W	W	W	W	W
98050212	98050213	98050214	98050215	98050216	98050217	98050219	98050220	98050221	98050222	98050223	98050224	98050225
						05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
						<	<	<	<	<	<	<
						3.8	3.3	5.7	2.5	2.8	3.6	2.8
						170	180	180	190	190	160	170
						0.75	0.68	0.73	0.73	0.62	0.70	0.62
						<	<	<	<	<	<	<
						05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
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						05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
						26	27	28	25	19	25	22
						13	12	15	14	10	14	13
						26	28	34	29	19	27	25
						5.9	4.7	6.0	5.6	13	5.5	6.4
						05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
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						55	57	61	57	37	55	53
						60	68	67	71	100	61	65

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05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
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98	96	96	98	98	99	99	96	100	100	99	95	93
96	93	93	95	92	93	94	92	92	90	95	93	92
94	98	97	94	99	99	98	95	98	98	94	97	95
						05/22/98	05/22/98	05/22/98	05/25/98	05/25/98	05/25/98	05/25/98
						1	1	1	1	1	1	1
						<	<	<	<	<	<	<
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						<	<	<	<	130	<	<
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						<	<	<	<	<	<	<
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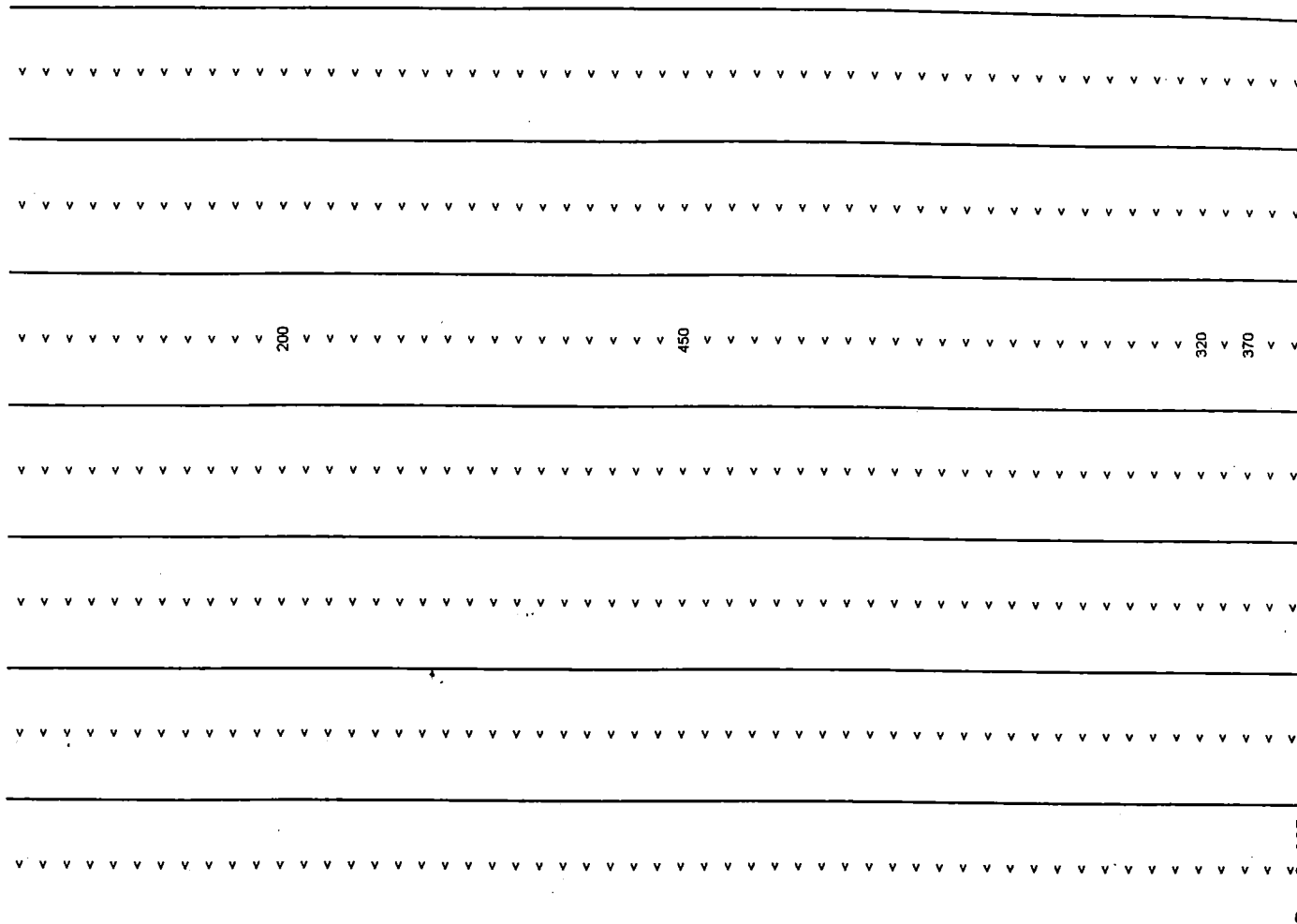
200

450

320

370



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						<	<	<	<	<	<	<
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						05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
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PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01
AOI4-B18-4-15.0	AOI4-B19-1-0.0	AOI4-B19-2-5.0	AOI4-B19-3-10.0	AOI4-B19-4-15.0	AO14-B21-1-0.0	AO14-B21-2-5.0	AO14-B21-3-10.0	AO14-B21-4-15.0	AO14-B22-1-0.0	AO14-B22-2-5.0	AO14-B22-3-10.0	AO14-B22-4-15.0
05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
13:45	14:15	14:20	14:25	14:35	15:45	15:50	15:55	16:05	16:15	16:20	16:30	16:35
15'	0'	5'	5'	15'	0'	5'	10'	15'	0'	5'	10'	15'
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40	16:40
W	W	W	W	W	W	W	W	W	W	W	W	W
98050226	98050227	98050228	98050229	98050230	98050231	98050232	98050233	98050234	98050235	98050236	98050237	98050238
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
<	<	<	<	<	<	<	<	<	<	<	<	<
3.4	3.1	2.8	5.5	2.5	2.7	4.1	3.2	4.0	4.8	3.0	2.9	3.8
180	220	160	180	180	190	190	190	170	170	180	160	170
0.82	0.67	0.66	0.70	0.66	0.69	0.76	0.70	0.69	0.65	0.74	0.67	0.84
<	<	<	<	<	<	<	<	<	<	<	<	<
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
<	<	<	<	<	<	<	<	<	<	<	<	<
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
28	23	22	28	25	21	30	24	25	20	30	25	29
14	12	11	14	14	11	15	14	15	12	12	13	16
38	23	20	32	31	19	36	31	35	21	31	28	37
6.4	5.9	6.5	5.8	4.9	6.0	5.9	5.8	5.7	5.6	5.0	5.2	7.3
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
<	<	<	<	<	<	<	<	<	<	<	<	<
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
<	<	<	<	<	<	<	<	<	<	<	<	<
22	20	19	22	21	19	25	20	21	19	22	19	22
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<	<	<	<	<	<	<	<	<	<	<	<	<
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62	47	46	55	57	42	63	59	60	38	52	55	63
75	52	48	66	70	47	75	76	72	50	71	68	78

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05/22/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
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05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
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05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
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05/26/98	1	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<

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97	101	93	92	94	98	92	87	96	101	95	96	94
92	94	93	93	92	96	93	93	93	100	93	93	93
98	85	93	97	93	92	96	96	98	89	97	96	96
05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/22/98	05/22/98	05/25/98	05/25/98	05/25/98	05/25/98
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05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98
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BOE-C6-0148551

IES 10214

		QC(S1)								QC(W)								QC(S2)		
W	W																			
BT11	BT11																			
Equipment Rinsate #1	Trip Blank #2																			
05/21/98	05/21/98																			
11 00																				
, N, H	, N, H																			
Y	Y																			
05/21/98	05/21/98																			
16:40	16:40																			
W	W																			
98050218	98050203	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC
		05/22/98																5/22/98		
		98050219	0.00	10.0	10.1	10.2	101	102	1									98050238	0.00	10.0
		98050219	0.08	10.0	10.4	10.6	103	105	2									98050238	0.08	10.0
		98050219	3.48	5.00	8.15	8.16	93	94	0									98050238	3.40	5.00
		98050219	0.01	1.00	1.06	1.07	105	106	1									98050238	0.02	1.00
		98050219	0.00	1.00	1.00	1.01	100	101	1									98050238	0.00	1.00
		05/22/98																05/22/98		
		98050221	0.00	1.00	0.87	0.86	87	86	1									98050238	0.00	1.00
		05/22/98																5/22/98		
		98050219	0.51	1.00	1.47	1.48	96	97	1									98050238	0.57	1.00
		98050219	0.28	1.00	1.20	1.21	94	95	1									98050238	0.32	1.00
		98050219	0.51	1.00	1.60	1.59	109	108	1									98050238	0.75	1.00
		98050219	0.12	5.00	4.77	4.82	93	94	1									98050238	0.15	5.00
		05/22/98																05/22/98		
		98050221	0.000	1.000	1.100	1.000	110	100	10									98050238	0.00	1.000
		05/22/98																5/22/98		
		98050219	0.00	5.00	4.65	4.71	93	94	1									98050238	0.00	5.00
		98050219	0.47	5.00	5.39	5.43	98	99	1									98050238	0.44	5.00
		98050219	0.00	10.0	10.5	10.6	105	106	1									98050238	0.00	10.0
		98050219	0.00	5.00	5.11	5.11	102	102	0									98050238	0.00	5.00
		98050219	0.00	10.0	8.75	8.92	88	89	2									98050238	0.00	10.0
		98050219	1.11	5.00	6.08	6.09	99	100	0									98050238	1.28	5.00
		98050219	1.19	1.00	2.12	2.13	93	94	0									98050238	1.56	1.00

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05/25/98	05/22/98								05/25/98								05/26/98		
1	1								1								1		
<	98050212	0.0	50	52	54	104	108	4	OCA100	0.0	20	20	18	100	90	11	98050228	0.0	51
<																			
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<																			
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<	98050212	0.0	50	53	55	106	110	4	OCA100	0.0	20	20	18	100	90	11	98050228	0.0	51
<																			
<																			
<																			
<																			
<																			
<																			
<																			
<	98050212	0.0	50	51	52	102	104	2	OCA100	0.0	20	20	18	100	90	11	98050228	0.0	50
<																			
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<																			

BOE-C6-0148553

<	98050212	0.0	50	54	56	108	112	4	OCA100	0.0	20	21	18	105	90	15	98050228	0.0	52
<	98050212	0.0	50	56	57	112	114	2	OCA100	0.0	20	20	18	100	90	11	98050228	0.0	52
113 107 105	05/22/98 1 98050221	0.0	50	40	38	80	76	5									05/22/98 1 98050233	0.0	50

	98050221	0.0	100	57	56	57	56	2									98050233	0.0	100
	98050221	0.0	100	72	71	72	71	1									98050233	0.0	100
	98050221	0.0	50	43	39	86	78	10									98050233	0.0	50
	98050221	0.0	50	38	35	76	70	8									98050233	0.0	50
	98050221	0.0	100	69	67	69	67	3									98050233	0.0	100
	98050221	0.0	100	69	67	69	67	3									98050233	0.0	100
	98050221	0.0	50	40	38	80	72	11									98050233	0.0	50
	98050221	0.0	50	44	41	88	82	7									98050233	0.0	50

BOE-C6-0148555

05/22/98		05/22/98																		
1																				
<																				
<																				
<																				
<																				
<																				
<																				
<		98050204	0.0	250	200	160	80	64	22											
		05/22/98 98050219	0.0	1.0	1.05	1.02	105	102	3									05/25/98 98050230	0.0	1 0

BOE-C6-0148556

					QC(S3)							
SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD
10.8	10.8	108	108	0								
10.7	10.7	106	106	0								
8.18	8.20	96	96	0								
1.08	1.08	106	106	0								
1.03	1.03	103	103	0								
0.87	0.87	87	87	0								
1.55	1.54	98	97	1								
1.28	1.28	96	96	0								
1.86	1.85	111	110	1								
4.90	4.88	95	95	0								
1.00	1.00	100	100	0								
4.72	4.72	94	94	0								
5.44	5.44	100	100	0								
10.7	10.7	107	107	0								
5.20	5.24	104	105	1								
8.81	8.77	88	88	0								
6.28	6.27	100	100	0								
2.51	2.50	95	94	0								

BOE-C6-0148557

50	56	98	110	11
50	56	98	110	11
48	52	96	104	8

BOE-C6-0148558

52	56	100	108	7								
51	58	98	112	13								
35	36	70	72	3	05/25/98 1 98050256	0.0	50	35	36	70	72	3

BOE-C6-0148559

66	64	66	64	3	98050256	0.0	100	53	54	53	54	2
72	73	72	73	1	98050256	0.0	100	65	65	65	65	0
43	43	86	86	0	98050256	0.0	50	37	38	74	76	3
37	35	74	70	6	98050256	0.0	50	38	37	76	74	3
65	68	65	68	5	98050256	0.0	100	58	62	58	62	7
66	70	66	70	6	98050256	0.0	100	62	62	62	62	0
36	36	72	72	0	98050256	0.0	50	35	39	70	78	11
42	41	84	82	2	98050256	0.0	50	37	40	74	80	8

BOE-C6-0148560

0.92	0.89	92	89	3	05/28/98 98050238	0.0	1.0	1.05	1.11	105	111	6

BOE-C6-0148561

Analysis Request ar. hain of Custody Record

AOI4-

Lab Job No: ____

Page 1 of 3

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

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Boeing C/O IESI	PROJECT NAME: Boeing C-6 Parcel B
SEND REPORT TO: Joanne P. Ornelas	NUMBER: AOI4
ADDRESS: 3990 Westerly Pl., Ste 210 Newport Beach, CA 92660	LOCATION: Los Angeles
	ADDRESS: 19503 S. Normandie Ave Los Angeles, CA
PHONE: 714 852 9050 FAX: 714 852 9011	SAMPLED BY: [illegible]

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCBs (8080)	VOCs (8260)							REMARKS/PRECAUTIONS
TRIP BLANK #2	2	5/21/98	—	water	40ml	HCL		X							Fax Results
AOI4-B12-1-1.0	1		0730	Soil	steel sleeve	—	X	X							
AOI4-B12-2-5.0	1		0735				X	X							
AOI4-B12-3-9.5	1		0740				X	X							HOLD - No analyses until notified
AOI4-B16-1-0.5	1		0800				X								Sample from and indicated on sample co
AOI4-B16-2-4.5	1		0805				X								
AOI4-B16-2D-5.0	1		0805				X								
AOI4-B16-3-9.5	1		0810				X								HOLD - No analyses until notified
AOI4-B13-1-1.0	1		0840				X								
AOI4-B13-2-5.0	1		0845				X								
AOI4-B13-3-10.0	1		0850				X								
AOI4-B13-4-15.0	1		0855				X								Hold - No analyses until notified
AOI4-B14-1-1.0	1		0930				X	X							
AOI4-B14-2-5.0	1		0935				X	X							

Total No. of Samples: 15

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/21/98 4:40pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Melvin Hawkins	Date/Time: 05-21-98 4:40 P.M.

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 ...

BOE-C6-0148562

AOI4-3

Analysis Request and Chain of Custody Record

Lab Job No: ____

Page 2 of 3

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

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing C/O IESI	PROJECT NAME:	Boeing C-6 Parcel B
SEND REPORT TO:	John P. Ornelas	NUMBER:	AOI4
ADDRESS:	3990 Westerly Pl, Ste 210 Newport Beach, CA 92660	LOCATION:	Los Angeles
		ADDRESS:	19503 S. Normandie Ave Los Angeles, CA
PHONE:	714 852 9050 FAX: 714 8529011	SAMPLED BY:	JPO

ANALYSIS/METHOD REQUEST: PCBs (8080), VOCs (8260), SVOCs (8270), Metals (6010/7196/7471/8010)

Fax Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCBs (8080)	VOCs (8260)	SVOCs (8270)	Metals (6010/7196/7471/8010)					REMARKS/PRECAUTIONS
AOI4-B14-3-10.0	1	5/21/98	0940	soil	steel sleeve	—	X	X							~~Hold~~
AOI4-B14-4-15.0	1		0950				X	X							Hold - No analysis until notified
AOI4-B15-1-0.25	1		1015				X	X							
AOI4-B15-2-5.0	1		1020				X	X							
AOI4-B15-3-10.0	1		1025				X	X							
AOI4-B15-4-15.0	1		1035				X	X							Hold - No analysis until notified
Equipment Rinsate #1	1		1100	water	Amber	—	X								
AOI4-B17-1-0.0	1		1145	soil	steel sleeve			X	X	X					
AOI4-B17-2-5.0	2		1150					X	X	X					
AOI4-B17-3-10.0	2		1155					X	X	X					
AOI4-B17-4-15.0	2		1200					X	X	X					
AOI4-B18-1-0.0	2		1325					X	X	X					
AOI4-B18-2-5.0	2		1330					X	X	X					
AOI4-B18-3-10.0	2		1335					X	X	X					

Total No. of Samples: 20

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/21/98 4:40pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: McKenna [signature]	Date/Time: 05.21.98 4:40 P.M.

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 f...

BOE-C6-0148563

AOI4 - 3

Analysis Request and ain of Custody Record

Lab Job No: ____

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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

REQUIRED TAT: 24 hr TAT

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing c/o IESI	PROJECT NAME:	Boeing C-6 Parcel B
SEND REPORT TO:	Joann P. Ornelas	NUMBER:	AOI4
ADDRESS:	3990 Westerly Pl, Ste 210 Newport Beach, CA 92660	LOCATION:	Los Angeles
		ADDRESS:	19503 S. Normandie Ave Los Angeles, CA
PHONE:	714 852 9050 FAX: 714 852 9011	SAMPLED BY:	[illegible]

ANALYSIS/METHOD REQUEST: VOCs (8260), SVOCs (8270), Metals (6010/7196/7471/9010), PCBs (8080)

Fax results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	Metals (6010/7196/7471/9010)	PCBs (8080)					REMARKS/PRECAUTIONS
AOI4-B18-4-15.0	2	5/21/98	1345	Soil	Steel Sleeves	—	X	X	X						
AOI4-B19-1-0.0	2		1415				X	X	X						
AOI4-B19-2-5.0	2		1420				X	X	X						
AOI4-B19-3-10.0	2		1425				X	X	X						
AOI4-B19-4-15.0	2		1435				X	X	X						
AOI4-B21-1-0.0	2		1545				X	X	X						~~Sample from rent [illegible]~~
AOI4-B21-2-5.0	2		1550				X	X	X						
AOI4-B21-3-10.0	2		1555				X	X	X						
AOI4-B21-4-15.0	2		1605				X	X	X						
AOI4-B22-1-0.0	2		1615				X	X	X						
AOI4-B22-2-5.0	2		1620				X	X	X						
AOI4-B22-3-10.0	2		1630				X	X	X						
AOI4-B22-4-15.0	2		1635				X	X	X						

Total No. of Samples: 26

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/21/98 4:40pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Melvin Hatteen	Date/Time: 05/21/98 4:40 P.M.

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

Sample Integrity: (check)
intact ____ on ice ____

All samples [illegible]

BOE-C6-0148564

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: Intergrated Environmental Services

Project No.: AOI4

Project Name: Boeing C-6 ParcelB

Laboratory Reference: IES 10215

Analytical Method: PCB'S, 8260, 8270, Cam Metals , Cyanide

Date Sampled: 05/22/98
Date Received: 05/22/98
Date Reported: 05/28/98

Sample Matrix: Soil & Water

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	98050239	98050240	98050241	98050242	98050243	98050244	98050245	98050246
							SAMP TYPE	S	S	S	S	S	S	S	S
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01
							SAMP ID	AOI4-B23-1-0.0	AOI4-B23-2-5.0	AOI4-B23-3-10.0	AOI4-B23-4-15.0	AOI4-B20-1-0.0	AOI4-B20-2-4.0	AOI4-B20-2D-5.0	AOI4-B20-3-10 0
							SAMP DATE	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
							SAMP TIME	7:45	7:55	8:00	8:05	8:35	8:40	8:40	8:50
							SAMP DEPTH	0'	5'	10'	15'	0'	4'	5'	10'
							PRESERVED								
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
							REC TIME	13:00	13:00	13:00	13:00	13:00	13:00	13:00	13:00
							BASIS	W	W	W	W	W	W	W	W
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							Tested	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<	<	<	<	<
6010	1.0	0.1		T		ppm	Arsenic	2.3	3.7	3.9	2.7	3.6	4.2	4.5	2.5
6010	0.1	0.01		T		ppm	Barium	150	170	170	130	170	160	180	170
6010	0.1	0.01		T		ppm	Beryllium	0.57	0.62	0.57	0.50	0.65	0.58	0.69	0.65
6010	0.1	0.01		T		ppm	Cadmium	<	<	<	<	<	<	<	<
							Tested	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<	<	<	<	<
							Tested	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98
6010	0.1	0.01		T		ppm	Chromium Total	20	25	23	20	24	23	28	24
6010	0.5	0.1		T		ppm	Cobalt	9.6	13	13	11	13	13	14	14
6010	0.1	0.01		T		ppm	Copper	18	27	24	25	28	27	30	29
6010	1.0	0.1		T		ppm	Lead	4.9	5.1	4.5	4.2	5.1	4.9	5.4	5.1
							Tested	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<	<	<	<	<
							Tested	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98	05/26/98
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<	<	<	<	<
6010	0.5	0.1		T		ppm	Nickel	15	22	18	16	21	21	22	20
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	42	53	50	47	55	51	56	54
6010	0.1	0.01		T		ppm	Zinc	43	57	60	55	62	58	67	65
							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-C6-0148566

		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	05/22/98	05/22/98	05/26/98	05/26/98	05/25/98	05/25/98	05/25/98	05/25/98
							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	<	<	<	<	<	<	<	<

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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	104	99	93	95	101	97	97	99
					T	%	Toluene-d8	100	92	93	92	92	91	92	92
					T	%	4-Bromofluorobenzene	88	98	98	97	97	97	97	98
							Tested	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98
							Dilution Factor	1	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	<	<	<	<	<	<	<	<
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	<	<	<	<	<	<	<	<

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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 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	<	<	<	<	<	<	<	<
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	<	<	<	<	<	<	<	<

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<	<	<	<	<
							Tested	05/22/98	05/22/98	05/22/98	05/22/98				
							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								
							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	72-54-8	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	05/27/98	05/27/98	05/27/98	05/27/98	05/27/98	05/27/98	05/27/98	05/27/98
9010/335.2	0.40	0.02		T		ppm	Cyanide	<	<	<	<	<	<	<	<

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

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						QC(S)								QC(W)				
S	S	S	S	S	W													
PP01	PP01	PP01	PP01	PP01	BT11													
AOI4-B20-4-15.0	AOI4-B24-1-0.0	AOI4-B24-2-5.0	AOI4-B24-3-10.0	AOI4-B24-4-15.0	TRIP BLANK #3													
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98													
8:55	9:20	9:25	9:30	9:35														
- 15'	0'	5'	10'	15'														
					, N, H													
Y	Y	Y	Y	Y	Y													
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98	05/22/98													
13:00	13:00	13:00	13:00	13:00	13:00													
W	W	W	W	W	W													
98050247	98050248	98050249	98050250	98050251	98050251A	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]
05/26/98	05/26/98	05/26/98	05/26/98	05/26/98		05/26/98												
<	<	<	<	<		98050239	0.00	10.0	9.44	9.60	94	96	2					
3.2	3.0	3.7	3.5	1.2		98050239	0.05	10.0	9.13	9.20	91	92	1					
130	150	160	150	90		98050239	3.09	5.00	7.52	7.59	89	90	1					
0.55	0.57	0.64	0.57	<		98050239	0.01	1.00	0.97	0.98	98	95	1					
<	<	0.73	<	<		98050239	0.00	1.00	0.95	0.95	95	95	0					
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98		05/22/98												
<	<	<	<	<		98050239	0.00	1.00	0.87	0.82	87	82	6					
05/26/98	05/26/98	05/26/98	05/26/98	05/26/98		05/26/98												
21	17	25	22	14		98050239	0.41	1.00	1.31	1.32	90	91	1					
9.8	9.5	12	12	7.5		98050239	0.19	1.00	1.09	1.09	90	90	0					
23	23	32	25	11		98050239	0.36	1.00	1.34	1.35	98	99	1					
5.0	8.9	4.4	5.0	2.5		98050239	0.10	5.00	4.23	4.30	83	84	2					
05/22/98	05/22/98	05/22/98	05/22/98	05/22/98		05/22/98												
<	<	<	<	<		98050239	0.00	1.00	0.95	1.00	95	100	5					
05/26/98	05/26/98	05/26/98	05/26/98	05/26/98		05/26/98												
<	<	<	<	<		98050239	0.00	5.00	4.38	4.34	88	87	1					
15	16	23	19	9.5		98050239	0.29	5.00	4.92	4.93	93	93	0					
<	<	<	<	<		98050239	0.00	10.0	8.89	8.96	89	90	1					
<	<	<	<	<		98050239	0.00	5.00	4.53	4.56	91	91	1					
<	<	<	<	<		98050239	0.00	10.0	8.27	8.28	83	83	0					
43	32	53	46	31		98050239	0.84	5.00	5.29	5.32	89	90	1					
53	60	59	56	37		98050239	0.85	1.00	1.71	1.70	86	85	1					

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05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/25/98	05/22/98								05/25/98				
1	1	1	1	1	1	1								1				
<	<	<	<	<	<	98050214	0.0	50	51	56	102	112	9	OCA100	0.0	20	20	18
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<	98050214	0.0	50	52	56	104	112	7	OCA100	0.0	20	20	18
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<	98050214	0.0	50	51	52	102	104	2	OCA100	0.0	20	20	18
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
<	<	<	<	<	<													
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BOE-C6-0148572

<	<	<	<	<	<	98050214	0.0	50	52	56	104	112	7	OCA100	0.0	20	21	18
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<	<	<	4.0	<	<	98050214	0.0	50	55	58	110	116	5	OCA100	0.0	20	20	18
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93	104	94	97	101	114													
91	99	92	92	91	106													
98	91	98	95	98	107													
05/25/98	05/25/98	05/25/98	05/25/98	05/25/98		05/25/98												
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<	<	<	<	<		98050239	0.0	50	34	34	68	68	0					
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<	<	<	<	<		98050239	0.0	100	66	68	68	68	3
<	<	<	<	<		98050239	0.0	100	66	69	66	69	4
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<	<	<	<	<		98050239	0.0	50	42	42	84	84	0
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<	<	<	<	<		98050239	0.0	100	69	70	69	70	1
<	<	<	<	<									
<	<	<	<	<		98050239	0.0	100	68	69	66	69	4
<	<	<	<	<		98050239	0.0	50	32	33	64	66	3
<	<	<	<	<		98050239	0.0	50	40	41	80	82	2
<	<	<	<	<									

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	05/22/98	05/22/98	05/22/98	05/22/98		05/22/98													
	1	1	1	1															
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	<	<	<	<															
	<	<	<	<		98050205	0.0	250	240	240	96	96	0						
05/27/98	05/27/98	05/27/98	05/27/98	05/27/98		5/27/98													
<	<	<	<	<		98050251	0.0	1.0	0.95	0.92	95	92	3						

BOE-C6-0148575

RECOVER	D RECOVER	RPD

BOE-C6-0148576

100	90	11
100	90	11
100	90	11

BOE-C6-0148577

105	90	15
100	90	11

BOE-C6-0148578

BOE-C6-0148580

Analysis Request and in of Custody Record

AOI4-

Lab Job No: _____

Page 1 of 1

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

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing C/o IESI	PROJECT NAME:	Boeing C-6 Parcel B
SEND REPORT TO:	Joann P. Orneles	NUMBER:	AOI4
ADDRESS:	3990 Westerly Pl. Ste 210 Newport Beach, CA 92660	LOCATION:	Los Angeles
		ADDRESS:	19503 S Normandie Ave Los Angeles, CA
PHONE:	714 852 9050 FAX: 714 852 9011	SAMPLED BY:	JPD

ANALYSIS/METHOD REQUEST: VOCs (8260), SVOCs (8270), Metals (6010)/7196/7471/8080), PCBs (8080)

Fax Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	Metals (6010)/7196/7471/8080)	PCBs (8080)					REMARKS/PRECAUTIONS
AOI4-B23-1-0.0	2	5/22/98	0745	soil	Steel Sleeve	—	X	X	X	X					
AOI4-B23-2-5.0	2	↓	0755	↓	↓	↓	X	X	X	X					
AOI4-B23-3-10.0	2	↓	0800	↓	↓	↓	X	X	X	X					
AOI4-B23-4-15.0	2	↓	0805	↓	↓	↓	X	X	X	X					
AOI4-B20-1-0.0	2	↓	0835	↓	↓	↓	X	X	X						
AOI4-B20-2-4.0	2	↓	0840	↓	↓	↓	X	X	X						
AOI4-B20-2D-5.0	2	↓	0840	↓	↓	↓	X	X	X						
AOI4-B20-3-10.0	2	↓	0850	↓	↓	↓	X	X	X						
AOI4-B20-4-15.0	2	↓	0855	↓	↓	↓	X	X	X						
AOI4-B24-1-0.0	2	↓	0920	↓	↓	↓	X	X	X	X					
AOI4-B24-2-5.0	2	↓	0925	↓	↓	↓	X	X	X	X					
AOI4-B24-3-10.0	2	↓	0930	↓	↓	↓	X	X	X	X					
AOI4-B24-4-15.0	2	↓	0935	↓	↓	↓	X	X	X	X					
TRIP Blank #3	2	↓		water	40ml		X								

Total No. of Samples: 28

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/22/98 1145		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: M. Vanderman	Date/Time: 5-22-98 1:00 pm

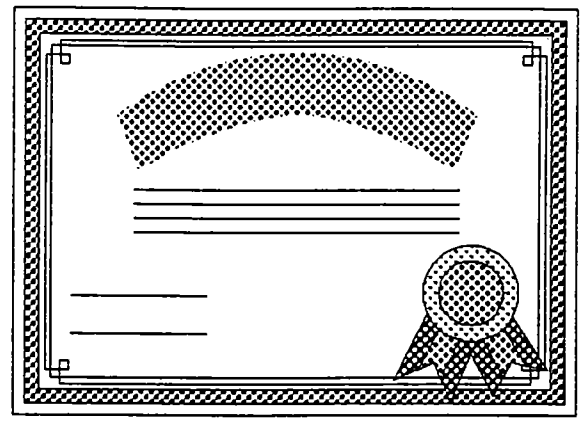
Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal ...

BOE-C6-0148581

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



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

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: Intergrated Environmental Services

Project No.:

Project Name: Boeing

Laboratory Reference: IES 10209

Analytical Method: PCB'S 8260

Date Sampled: 05/20/98
Date Received: 05/20/98
Date Reported: 05/22/98

Sample Matrix: Soil & Water

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	S	S	S	S	S	S
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	PP01
							SAMP ID	AOI4-B1-1-0.0	AOI4-B1-2-5.0	AOI4-B2-1-0.0	AOI4-B2-2-5.0	AOI4-B3-1-0.0	AOI4-B3-2-5.0	AOI4-B3-3-9.5	AOI4-B4-1-0.5
							SAMP DATE	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98
							SAMP TIME	9:50	9:55	10:15	10:20	10:45	10:50	10:55	11:10
							SAMP DEPTH	0'	5'	0'	5'	0'	5'	9.5'	0.5'
							PRESERVED								
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98	05/20/98
							REC TIME	16:37	16:37	16:37	16:37	16:37	16:37	16:37	16:37
							BASIS	W	W	W	W	W	W	W	W
								98050161	98050162	98050163	98050164	98050165	98050166	98050167	98050168
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							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								

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		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								05/21/98
							Dilution Factor								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								<

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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										95
					T		%	Toluene-d8										94
					T		%	4-Bromofluorobenzene										97
								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-C6-0148586

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-C6-0148587

8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol								
							Tested	05/21/98	5/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
							Dilution Factor	1	<	1	1	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								
							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-C6-0148588

S PP01 AOI4-B4-2-4.5 05/20/98 11:15 4.5' Y 05/20/98 16.37 W	S PP01 AOI4-B4-2D-5.0 05/20/98 11:15 5' Y 05/20/98 16:37 W	S PP01 AOI4-B5-1-0.0 05/20/98 12:00 0' Y 05/20/98 16:37 W	S PP01 AOI4-B5-2-5.0 05/20/98 12:05 5' Y 05/20/98 16:37 W	S PP01 AOI4-B6-1-0.0 05/20/98 12:35 0' Y 05/20/98 16:37 W	S PP01 AOI4-B6-2-5.0 05/20/98 12:40 5' Y 05/20/98 16:37 W	S PP01 AOI4-B7-1-0.0 05/20/98 13:25 0' Y 05/20/98 16:37 W	S PP01 AOI4-B7-2-5.0 05/20/98 13:30 5' Y 05/20/98 16:37 W	S PP01 AOI4-B8-1-1.0 05/20/98 14:20 1' Y 05/20/98 16:37 W	S PP01 AOI4-B8-2-5.0 05/20/98 14:25 5' Y 05/20/98 16:37 W	PP01 AOI4-B9-1-0.0 05/20/98 15:00 0' Y 05/20/98 16:37 W	PP01 AOI4-B9-2-5.0 05/20/98 15:05 5' Y 05/20/98 16.37 W	PP01 AOI4-B10-1-0.0 05/20/98 15:40 0' Y 05/20/98 16.37 W
98050169	98050170	98050171	98050172	98050173	98050174	98050175	98050176	98050177	98050178	98050179	98050180	98050181

BOE-C6-0148589

IES 10209

05/21/98	05/21/98	05/21/98					05/21/98			05/21/98	05/21/98	05/21/98
1	1	1					1			1	1	1
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93	94	98					95			94	94	103
93	93	96					93			94	93	96
97	98	94					98			96	98	94

IES 10209

05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98	05/21/98
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BOE-C6-0148593

IES 10209

						QC(S)								QC(W)				
PP01 AOI410-2-5.0 05/20/98 15:45 5' Y 05/20/98 16.37 W	PP01 AOI4-B11-1-0.0 05/20/98 16:15 0' Y 05/20/98 16.37 W	PP01 AOI4-B11-2-4.5 05/20/98 16:20 4.5' Y 05/20/98 16.37 W	PP01 AOI4-B11-2D-5.0 05/20/98 16:20 5' Y 05/20/98 16:37 W	PP01 AOI4-B11-3-9.5 05/20/98 16:25 9.5' Y 05/20/98 16:37 W	W BT11 TRIP BLANK 05/19/98 , N, H Y 05/20/98 16:37 W													
98050182	98050183	98050184	98050185	98050186	98050187	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]

BOE-C6-0148594

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<	<			<	<	98050170	0.0	50	55	53	110	106	4	98050187	0.0	20	21	20
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<	<			<	<	98050170	0.0	50	56	50	112	100	11	98050187	0.0	20	19	17
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BOE-C6-0148595

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3.1	<			<	<													
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94	94			99	95													
94	95			92	93													
97	93			98	96													

BOE-C6-0148596

05/21/98	05/21/98	05/21/98	05/21/98	05/21/98		05/21/98													
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BOE-C6-0148598

RECOVER	D RECOVER	RPD

BOE-C6-0148599

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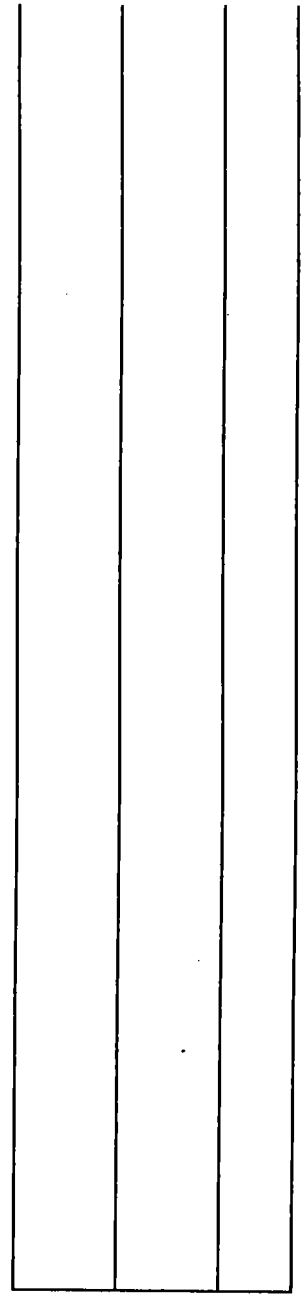
105	100	5
95	85	11

BOE-C6-0148600

100	95	5
100	95	5

BOE-C6-0148601



BOE-C6-0148603

Analysis Request and ain of Custody Record

AOI4-2

Lab Job No: ____

Page 2 of 3

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

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing C/o IESI	PROJECT NAME:	Boeing C-6 Parcel B
SEND REPORT TO:	Joshua Ornelas	NUMBER:	AOI4
ADDRESS:	3990 Westerly Pl, Ste 210 Newport Beach, CA 92660	LOCATION:	Los Angeles, CA
		ADDRESS:	19503 S. Normandie Ave Los Angeles, CA
PHONE:	714 852 9050 FAX: 714 852 9011	SAMPLED BY:	[illegible]

ANALYSIS/METHOD REQUEST: PCBs (8080), VOCs (8260)

Fax Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCBs (8080)	VOCs (8260)	REMARKS/PRECAUTIONS
AOI4-B5-2-5.0	1	5/20/98	1205	Soil	Steel Liner	—	X		~~Hold at lab - No analyses until notified~~
AOI4-B5-3-9.5	1		1210				X		Hold at lab - No analyses until notified
AOI4-B6-1-0.0	1		1235				X		
AOI4-B6-2-5.0	1		1240				X		
AOI4-B6-3-9.5	1		1245				X		Hold at lab - No analyses until notified
AOI4-B7-1-0.0	1		1325				X		
AOI4-B7-2-5.0	1		1330				X	X	
AOI4-B7-3-9.5	1		1335				X		Hold at lab - No analyses until notified
AOI4-B8-1-1.0	1		1420				X		
AOI4-B8-2-5.0	1		1425				X		
AOI4-B8-3-9.5	1		1430				X		Hold at lab - No analyses until notified
AOI4-B9-1-0.0	1		1500				X	X	
AOI4-B9-2-5.0	1		1505				X	X	
AOI4-B9-3-9.5	1		1510				X	X	Hold at lab - No analyses until notified

Total No. of Samples: 14

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/20/98 4:37 pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Mehran Hashemi	Date/Time: 05/20/98 4:37 p.m.

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-C6-0148604

Analysis Request an[illegible] [illegible]ain of Custody Record

AOI4-2

Lab Job No: ____

Page 1 of 3

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

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing c/o IESI	PROJECT NAME:	Boeing C-6 Parcel B
SEND REPORT TO:	JOANN P. ORNELAS	NUMBER:	AOI4
ADDRESS:	3990 Westerly Pl, STE 210 Newport Beach, CA 92660	LOCATION:	Los Angeles, CA
		ADDRESS:	19503 S. Normandie Ave Los Angeles, CA
PHONE:	714 852-9050 FAX: 714 8529011	SAMPLED BY:	[illegible]

ANALYSIS/METHOD REQUEST: PCBs (8080), VOCs (8260)

Fax Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCBs (8080)	VOCs (8260)							REMARKS/PRECAUTIONS
AOI4-B1-1-0.0	1	5/20/98	0950	Soil	Steel Liner	—	X								
AOI4-B1-2-5.0	1		0955				X								
AOI4-B1-3-10.0	1		1000				X								Hold at Lab - No Analys. until notified
AOI4-B2-1-0.0	1		1015				X								
AOI4-B2-2-5.0	1		1020				X								
AOI4-B2-3-9.5	1		1025				X								Hold at Lab - No Analys. until notified
AOI4-B3-1-0.0	1		1045				X								
AOI4-B3-2-5.0	1		1050				X								
AOI4-B3-3-9.5	1		1055				X	X							~~Hold at Lab - No Analys. until notified~~
AOI4-B4-1-0.5	1		1110				X								
AOI4-B4-2-4.5	1		1115				X	X							
AOI4-B4-2D-5.0	1		1115				X	X							
AOI4-B4-3-9.5	1		1120				X								Hold at Lab - No Analys. until notified
AOI4-B5-1-0.0	1		1200				X	X							

Total No. of Samples: 14

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	5/20/98 4:37pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: McIvan Hoghuni	Date/Time: 05/20/98 4:37 p.m.

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 dis[illegible]

BOE-C6-0148605

Analysis Request and Chain of Custody Record

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

AOI4-
Lab Job No: _____
Page 3 of 3

REQUIRED TAT: 24 hr

CUSTOMER INFORMATION

COMPANY: Boeing c/o IESI
SEND REPORT TO: JoAnn P Ornelas
ADDRESS: 3990 Westerly Pl, Ste 210
Newport Beach, CA 92660
PHONE: 714 852-9050 FAX: 714 852-9011

PROJECT INFORMATION

PROJECT NAME: Boeing C-6 Parcel B
NUMBER: AOI4
LOCATION: Los Angeles, CA
ADDRESS: 19503 S. Normandie Ave
Los Angeles, CA
SAMPLED BY: [illegible]

ANALYSIS/METHOD REQUEST: PCBs (8080), VOCs (8260)

Fax Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCBs (8080)	VOCs (8260)	REMARKS/PRECAUTIONS
AOI4-B10-1-0.0	1	5/20/98	1540	soil	steel liners	—	X	X	
AOI4-B10-2-5.0	1		1545				X	X	
AOI4-B10-3-9.5	1		1550				X	X	Hold at lab - No results unless Notified
AOI4-B11-1-0.0	1		1615				X	X	
AOI4-B11-2-4.5	1		1620				X		
AOI4-B11-2D-5.0	1		1620				X		
AOI4-B11-3-9.5	1		1625				X	X	
TRIP BLANK #1	1	5/20/98	1630	water	40ml			X	one vial broke in transit

Total No. of Samples: 8

Method of Shipment: Courier

Relinquished By: [signature] Date/Time: 5/20/98 4:37pm

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Mehran Hakimi Date/Time: 05/20/98 4:37pm

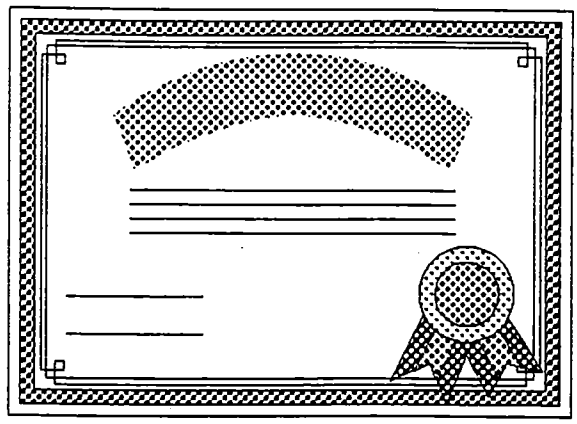
Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal ...

BOE-C6-0148606

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



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

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: Intergrated Environmental Services

Project No.:

Project Name: Boeing

Laboratory Reference: IES 10196

Analytical Method: PCB'S

Date Sampled: 05/15/98
Date Received: 05/15/98
Date Reported: 05/18/98

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

IES 10196

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98050095	98050096	98050097	QC(S) LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD
							SAMP TYPE	S	S	S								
							RES CODE	PP01	PP01	PP01								
							SAMP ID	AOI4-CS1	AOI4-CS2	AOI4-CS3								
							SAMP DATE	05/15/98	05/15/98	05/15/98								
							SAMP TIME	8:27	8:31	8:34								
							SAMP DEPTH											
							PRESERVED											
							ICED	Y	Y	Y								
							RECEIVED	05/15/98	05/15/98	05/15/98								
							REC TIME	9:30	9:30	9:30								
							BASIS	W	W	W								
							Tested											
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons											
							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											

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		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

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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

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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 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
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

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol											
							Tested	05/15/98	05/15/98	05/15/98	05/15/98							
							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	590	580	1,700	OCA 200	0.0	250	140	150	56	60	7
							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	72-54-8	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-C6-0148613

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: _____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Boeing / IESI	PROJECT NAME: Joann Ornelas
SEND REPORT TO: Joann Ornelas	NUMBER: Boeing / IESI
ADDRESS: 3990 Westerly Pl., Suite 210	LOCATION: ~~3990 Westerly Pl., Suite 210~~
Newport Beach, CA 92660	ADDRESS: ~~N~~ Torrance, CA
PHONE: (714) 852-9050 FAX: (714) 852-9011	SAMPLED BY: JPO

ANALYSIS/METHOD REQUEST: PCB (8080)

FAX Results

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	PCB (8080)	REMARKS/PRECAUTIONS
AOI4-CS1	1	5/15/98	0827	Soil	Glass	—	X	24 hour TAT
AOI4-CS2	1	5/15/98	0831	Soil	Glass	—	X	↓
AOI4-CS3	1	5/15/98	0834	Soil	Glass	—	X	

Total No. of Samples: 3

Method of Shipment: Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	5/15/98 0930		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Melvan Hasheem	Date/Time: 09:30 05-15-98

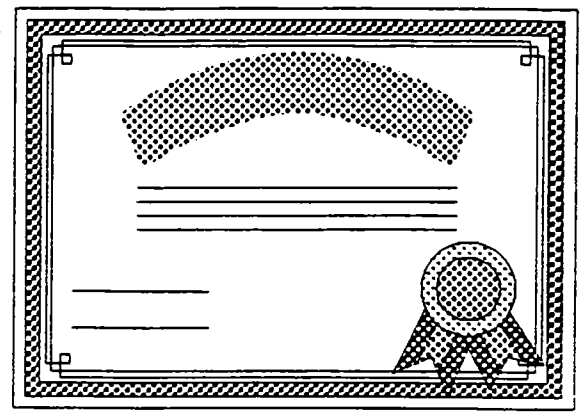
Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of [illegible]

BOE-C6-0148614

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



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

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

Sample Description: Soil

Laboratory Reference #: MWI 8748

Sampled : 03-24-97
Received: 03-24-97
Analyzed: 03-25-97
Reported: 03-25-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97030957	B37-RE4-SP27	11
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
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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, B37-RE4-SP27

Laboratory Sample Number: 97030957
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-28-97
Reported: 04-02-97

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	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	25	<---
Cobalt	6010	80	8000	0.5	8.7	<---
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	9.8	<---
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	31	<---
Zinc	6010	250	5000	0.1	43	<---

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, B37-RE4-SP27
Laboratory Sample Number: 97030957
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-28-97
Reported: 04-02-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	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

Sample Description: Soil, B37-RE4-SP27

Laboratory Sample Number: 97030957

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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-Bromofluorobenbzene	*102*

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, B37-RE4-SP27
Laboratory Sample #: 97030957
Laboratory Reference #: MWI 8748

Sampled : 03-24-97
Received: 03-24-97
Analyzed: 04-02-97
Reported: 04-02-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benz (a)anthracene	56-55-3	100	250	<---
Benzo(b)fluoranthene	205-99-2	250	320	<---
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 ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	310	<---
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.	

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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

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

Sample Description: Soil, B37-RE4-SP27
Laboratory Sample #: 97030957

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
Fluoranthene	206-44-0	100	300	<---
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.	
'-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	120	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	280	<---
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

ark 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

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 8748

Sampled : 03-24-97
Received: 03-24-97
Analyzed: 03-25-97
Reported: 04-02-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97030958	Equip Blank	N.D.
97030959	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

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: Water, Equip Blank

Laboratory Sample Number: 97030958
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-27-97
Reported: 04-02-97

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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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: 97030959
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-27-97
Reported: 04-02-97

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 detectior

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

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, Equip Blank
Laboratory Sample Number: 97030958
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-29-97
Reported: 04-02-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97030958

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*97*
4-Bromofluorobenbzene	*108*

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: 97030959
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-28-97
Reported: 04-02-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97030959

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*95*
4-Bromofluorobenbzene	*108*

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, Trip Blank
Laboratory Sample Number: 97030960
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-28-97
Reported: 04-02-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97030960

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*112*
Toluene-d8	*95*
4-Bromofluorobenbzene	*111*

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

Sampled : 03-24-97
Sample Description: Water, Equip Blank *Received:* 03-24-97
Laboratory Sample #: 97030958 *Analyzed:* 03-28-97
Laboratory Reference #: MWI 8748 *Reported:* 04-02-97

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.
Benzidine	92-87-5	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.
enzo(g,h,i)perylene	191-24-2	25	N.D.
enzo(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 ether	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.
imethyl phthalate	131-11-3	5.0	N.D.
,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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97030958

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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 detectio

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: Water, Rinsate Blank
Laboratory Sample #: 97030959
Laboratory Reference #: MWI 8748

Sampled : 03-24-97
Received: 03-24-97
Analyzed: 03-28-97
Reported: 04-02-97

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.
Benzidine	92-87-5	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 ether	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.
,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97030959

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97030958
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-26-97
Reported: 04-02-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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.

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Mark Noorani

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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: Water, Rinsate Blank

Laboratory Sample Number: 97030959
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-26-97
Reported: 04-02-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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 detection.

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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: Water, Equip Blank

Laboratory Sample Number: 97030958
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-26-97
Reported: 04-02-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 c
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: Water, Rinsate Blank

Laboratory Sample Number: 97030959
Laboratory Reference #: MWI 8748

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 03-26-97
Reported: 04-02-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 o detection.

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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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/25/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8748

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.5	2.6	100	104	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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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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/25/97
Laboratory Sample No : 97030932
Laboratory Reference No : MWI 8748

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	100	110	100	110	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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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 : Metals

Date of Analysis : 03/27/97
Laboratory Sample No : 97030700
Laboratory Reference No : MWI 8748

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	3.160	3.210	105	107	2
Arsenic	0.00	1.000	1.020	1.040	102	104	2
Barium	0.00	0.100	0.087	0.085	87	85	2
Beryllium	0.00	0.100	0.104	0.103	104	103	1
Cadmium	0.00	0.100	0.120	0.110	120	110	9
Chromium (VI)	0.00	0.500	0.460	0.420	92	84	9
Chromium (Total)	0.00	0.100	0.095	0.110	95	110	15
Cobalt	0.00	0.100	0.109	0.097	109	97	12
Copper	0.00	0.100	0.110	0.100	110	100	10
Lead	0.00	1.000	1.150	1.160	115	116	1
Mercury	0.000	0.020	0.021	0.019	105	95	10
Molybdenum	0.00	1.000	1.020	1.020	102	102	0
Nickel	0.00	0.500	0.530	0.540	106	108	2
Selenium	0.00	1.000	1.160	1.180	116	118	2
Silver	0.00	0.500	0.530	0.480	106	96	10
Thallium	0.00	3.000	2.970	2.850	99	95	4
Vanadium	0.00	0.500	0.570	0.600	114	120	5
Zinc	0.00	0.100	0.112	0.106	112	106	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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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 : Metals

Date of Analysis : 03/28/97
Laboratory Sample No : 97030976
Laboratory Reference No : MWI 8748

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	31.40	30.60	105	102	3
Arsenic	0.00	10.00	8.60	9.10	86	91	6
Barium	12.00	10.00	24.00	21.00	120	90	13
Beryllium	0.00	1.00	0.95	0.99	95	99	4
Cadmium	0.00	1.00	1.00	1.00	100	100	0
Chromium (Total)	2.40	5.00	7.30	7.10	98	94	3
Chromium (VI)	0.00	1.00	0.96	1.03	96	103	7
Cobalt	0.57	1.00	1.48	1.53	91	96	3
Copper	1.20	1.00	2.13	2.06	93	86	3
Lead	0.00	10.00	9.80	9.80	98	98	0
Mercury	0.000	0.020	0.018	0.016	90	80	12
Molybdenum	0.00	10.00	9.40	9.60	94	96	2
Nickel	0.77	5.00	5.60	5.30	97	91	6
Selenium	0.00	10.00	9.30	9.10	93	91	2
Silver	0.00	5.00	5.10	5.40	102	108	6
Thallium	0.00	30.00	30.50	30.90	102	103	1
Vanadium	2.40	5.00	7.30	7.10	98	94	3
Zinc	5.50	5.00	9.80	10.40	86	98	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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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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 03/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8748

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	34	37	68	74	8
n-Nitroso-di-n-propylamine	0.0	50	44	43	88	86	2
1,2,4-Trichlorobenzene	0.0	50	34	40	68	80	16
Acenaphthene	0.0	50	43	47	86	94	9
Pyrene	0.0	50	45	48	90	96	6
Pentachlorophenol	0.0	100	75	79	75	79	5
4-Chloro-3-Methylphenol	0.0	100	62	76	62	76	20
2-Chlorophenol	0.0	100	71	76	71	76	7
Phenol	0.0	100	25	25	25	25	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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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 : 03/26/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8748

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	38	37	76	74	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

ORANGE COAST ANALYTICAL

MARK NOORANI
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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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 03/26/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8748

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDE	0.0	1.00	0.65	0.72	65	72	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
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 : 03/28/97
Laboratory Sample No : 97030840
Laboratory Reference No : MWI 8748

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	18	18	90	90	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	18	20	90	100	11
Chlorobenzene	0.0	20	17	17	85	85	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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Laboratory Director

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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 : 03/28/97
Laboratory Sample No : 97030935
Laboratory Reference No : MWI 8748

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	49	104	98	6
1,1-Dichloroethene	0.0	50	53	52	106	104	2
Trichloroethene	0.0	50	50	47	100	94	6
Toluene	0.0	50	52	49	104	98	6
Chlorobenzene	0.0	50	47	47	94	94	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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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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/03/97
Laboratory Sample No : 97031110
Laboratory Reference No : MWI 8748

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	48	47	96	94	2
n-Nitroso-di-n-propylamine	0.0	50	50	49	100	98	2
1,2,4-Trichlorobenzene	0.0	50	50	49	100	98	2
Acenaphthene	0.0	50	50	50	100	100	0
Pyrene	0.0	50	43	44	86	88	2
Pentachlorophenol	0.0	100	85	88	85	88	3
4-Chloro-3-Methylphenol	0.0	100	79	78	79	78	1
2-Chlorophenol	0.0	100	85	86	85	86	1
Phenol	0.0	100	76	76	76	76	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 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24hr. TAT on soil TRPH analysis only
REQUIRED TAT: 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) 796-5741

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas C-6 Facility
NUMBER: 12060035.01090010
LOCATION: BLDG 37 Area
ADDRESS: 19503 S. Normandie Ave.
Torrance CA
SAMPLED BY: JAM / EV

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	Pesticides 8080	PCBs 8080			REMARKS/PRECAUTIONS
B37-RE4-SP27	2	3/24/97	1115	Soil	2 x 6 sleeve	ICE	X	X	X	X					
Equipment Blank	7	3/24/97	1545	Water	4 1L Amb Poly 2 VOAs	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: 4

Method of Shipment: Custody - Sealed Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	3/24/97 - 16:35		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: 3/24/97 16:35

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 [illegible]

BOE-C6-0148649

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

Analysis Method: 418.1

Sample Description: Soil

Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 03-26-97
Reported: 03-26-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97030965	B37-RE4-SPCONF	1,400
97030966	B37-RE2-SPCONF	30
97030967	B37-RE3-SPCONF	96
97030968	B37-RE1-SPCONF	1,800
97030969	VSS-CONF	850
97030970	B37-GS-105-3'	77
97030971	B37-GS-106-9'	N.D.
97030976	B37-RE4-SP28	N.D.
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

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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, B37-RE4-SP28

Laboratory Sample Number: 97030976
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-28-97
Reported: 04-04-97

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	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	24	<---
Cobalt	6010	80	8000	0.5	5.7	<---
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	7.7	<---
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	24	<---
Zinc	6010	250	5000	0.1	55	<---

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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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, B37-RE4-SPCONF

Laboratory Sample Number: 97030965
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-28-97
Reported: 04-04-97

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	130	<---
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	29	<---
Cobalt	6010	80	8000	0.5	8.9	<---
Copper	6010	25	2500	0.1	16	<---
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	33	<---
Zinc	6010	250	5000	0.1	56	<---

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

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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, B37-RE4-SP28
Laboratory Sample Number: 97030976
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-31-97
Reported: 04-04-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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

Sample Description: Soil, B37-RE4-SP28

Laboratory Sample Number: 97040976

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*96*
4-Bromofluorobenbzene	*102*

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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, B37-RE4-SPCONF
Laboratory Sample Number: 97030965
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-31-97
Reported: 04-04-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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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

Sample Description: Soil, B37-RE4-SPCONF

Laboratory Sample Number: 97030965

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*94*
4-Bromofluorobenbzene	*99*

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, B37-RE4-SP28
Laboratory Sample #: 97030976
Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 03-31-97
Reported: 04-04-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benz (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 ether	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.

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

Sample Description: Soil, B37-RE4-SP28
Laboratory Sample #: 97030976

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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, B37-RE4-SPCONF
Laboratory Sample #: 97030965
Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 04-02-97
Reported: 04-04-97

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	200	N.D.
Acenaphthylene	208-96-8	200	N.D.
Aniline	62-53-3	200	N.D.
Anthracene	120-12-7	200	N.D.
Benzidine	92-87-5	1000	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benz (a)anthracene	56-55-3	200	N.D.
Benzo(b)fluoranthene	205-99-2	500	N.D.
Benzo(k)fluoranthene	207-08-9	500	N.D.
Benzo(g,h,i)perylene	191-24-2	500	N.D.
Benzo(a)pyrene	50-32-8	500	N.D.
Benzyl alcohol	100-51-6	200	N.D.
Bis(2-chloroethoxy)methane	111-91-1	200	N.D.
Bis(2-chloroethyl)ether	111-44-4	200	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	200	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	200	N.D.
4-Bromophenyl phenyl ether	101-55-3	200	N.D.
Butyl benzyl phthalate	85-68-7	200	N.D.
4-Chloroaniline	106-47-8	200	N.D.
2-Chloronaphthalene	91-58-7	200	N.D.
4-Chloro-3-methylphenol	59-50-7	200	N.D.
2-Chlorophenol	95-57-8	200	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	200	N.D.
Chrysene	218-0109	200	N.D.
Dibenz(a,h)anthracene	53-70-3	200	N.D.
Dibenzofuran	132-64-9	200	N.D.
Di-n-butyl phthalate	84-74-2	500	N.D.
1,3-Dichlorobenzene	541-73-1	200	N.D.
1,4-Dichlorobenzene	106-46-7	200	N.D.
1,2-Dichlorobenzene	95-50-1	200	N.D.
3,3'-Dichlorobenzidine	91-94-1	200	N.D.
2,4-Dichlorophenol	120-83-2	200	N.D.
Diethyl phthalate	84-66-2	200	N.D.
2,4-Dimethylphenol	105-67-9	200	N.D.
Dimethyl phthalate	131-11-3	200	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	200	N.D.
2,4-Dinitrophenol	51-28-5	200	N.D.

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

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

Sample Description: Soil, B37-RE4-SPCONF
Laboratory Sample #: 97030965

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	500	N.D.
2,6-Dinitrotoluene	606-20-2	500	N.D.
Di-n-octyl phthalate	117-84-0	500	N.D.
Fluoranthene	206-44-0	200	N.D.
Fluorene	86-73-7	200	N.D.
Hexachlorobenzene	118-74-1	200	N.D.
Hexachlorobutadiene	87-68-3	200	N.D.
Hexachlorocyclopentadiene	77-47-4	200	N.D.
Hexachloroethane	67-72-1	200	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	500	N.D.
Isophorone	78-59-1	200	N.D.
2-Methylnaphthalene	91-57-6	200	N.D.
2-Methylphenol	95-48-7	200	N.D.
4-Methylphenol	106-44-5	200	N.D.
Naphthalene	91-20-3	200	N.D.
2-Nitroaniline	88-74-4	500	N.D.
3-Nitroaniline	99-09-2	500	N.D.
4-Nitroaniline	100-01-6	500	N.D.
Nitrobenzene	98-95-3	200	N.D.
2-Nitrophenol	88-75-5	200	N.D.
4-Nitrophenol	100-02-7	200	N.D.
N-Nitrosodiphenylamine	86-30-6	200	N.D.
N-Nitroso-di-n-propylamine	621-64-7	200	N.D.
N-Nitrosodimethylamine	62-75-9	200	N.D.
Pentachlorophenol	87-86-5	500	N.D.
Phenanthrene	85-01-8	200	N.D.
Phenol	108-95-2	200	N.D.
Pyrene	129-00-0	200	N.D.
1,2,4-Trichlorobenzene	120-82-1	200	N.D.
2,4,5-Trichlorophenol	95-95-4	200	N.D.
2,4,6-Trichlorophenol	88-06-2	200	N.D.

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

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

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 03-28-97
Reported: 04-04-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97030977	Equip Blank	N.D.
97030978	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97030977
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-27-97
Reported: 04-04-97

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 detectio

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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97030978
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-27-97
Reported: 04-04-97

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 detectio

ORANGE COAST ANALYTICAL

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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: Water, Equip Blank
Laboratory Sample Number: 97030977
Laboratory Reference #: MWI 8751

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 04-01-97
Reported: 04-04-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97030977

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*91*
4-Bromofluorobenbzene	*104*

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: 97030978
Laboratory Reference #: MWI 8751

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 04-01-97
Reported: 04-04-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/l)***	***SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97030978

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*99*
Toluene-d8	*93*
4-Bromofluorobenbzene	*106*

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: Water, Trip Blank
Laboratory Sample Number: 97030979
Laboratory Reference #: MWI 8751

Sampled: 03-24-97
Received: 03-24-97
Analyzed: 04-01-97
Reported: 04-04-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/l)***	***SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97030979

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*96*
Toluene-d8	*93*
4-Bromofluorobenbzene	*104*

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: Water, Equip Blank
Laboratory Sample #: 97030977
Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 03-28-97
Reported: 04-04-97

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.
Benzidine	92-87-5	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 ether	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.
,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 #: 97030977

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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 detectior

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

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 #: 97030978
Laboratory Reference #: MWI 8751

Sampled : 03-25-97
Received: 03-25-97
Analyzed: 03-28-97
Reported: 04-04-97

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.
Benzidine	92-87-5	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 ether	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97030978

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97030977
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-26-97
Reported: 04-04-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 c
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: Water, Rinsate Blank

Laboratory Sample Number: 97030978
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-26-97
Reported: 04-04-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 c
detection.

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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: Water, Equip Blank

Laboratory Sample Number: 97030977
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-26-97
Reported: 04-04-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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 detection.

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Laboratory Director

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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: 97030978
Laboratory Reference #: MWI 8751

Sampled: 03-25-97
Received: 03-25-97
Analyzed: 03-26-97
Reported: 04-04-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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 c
detection.

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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 : Metals

Date of Analysis : 03/28/97
Laboratory Sample No : 97030976
Laboratory Reference No : MWI 8751

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	31.40	30.60	105	102	3
Arsenic	0.00	10.00	8.60	9.10	86	91	6
Barium	12.00	10.00	24.00	21.00	120	90	13
Beryllium	0.00	1.00	0.95	0.99	95	99	4
Cadmium	0.00	1.00	1.00	1.00	100	100	0
Chromium (Total)	2.40	5.00	7.30	7.10	98	94	3
Chromium (VI)	0.00	1.00	0.96	1.03	96	103	7
Cobalt	0.57	1.00	1.48	1.53	91	96	3
Copper	1.20	1.00	2.13	2.06	93	86	3
Lead	0.00	10.00	9.80	9.80	98	98	0
Mercury	0.000	0.020	0.018	0.016	90	80	12
Molybdenum	0.00	10.00	9.40	9.60	94	96	2
Nickel	0.77	5.00	5.60	5.30	97	91	6
Selenium	0.00	10.00	9.30	9.10	93	91	2
Silver	0.00	5.00	5.10	5.40	102	108	6
Thallium	0.00	30.00	30.50	30.90	102	103	1
Vanadium	2.40	5.00	7.30	7.10	98	94	3
Zinc	5.50	5.00	9.80	10.40	86	98	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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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 : Metals

Date of Analysis : 03/27/97
Laboratory Sample No : 97030700
Laboratory Reference No : MWI 8751

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	3.160	3.210	105	107	2
Arsenic	0.00	1.000	1.020	1.040	102	104	2
Barium	0.00	0.100	0.087	0.085	87	85	2
Beryllium	0.00	0.100	0.104	0.103	104	103	1
Cadmium	0.00	0.100	0.120	0.110	120	110	9
Chromium (VI)	0.00	0.500	0.460	0.420	92	84	9
Chromium (Total)	0.00	0.100	0.095	0.110	95	110	15
Cobalt	0.00	0.100	0.109	0.097	109	97	12
Copper	0.00	0.100	0.110	0.100	110	100	10
Lead	0.00	1.000	1.150	1.160	115	116	1
Mercury	0.000	0.020	0.021	0.019	105	95	10
Molybdenum	0.00	1.000	1.020	1.020	102	102	0
Nickel	0.00	0.500	0.530	0.540	106	108	2
Selenium	0.00	1.000	1.160	1.180	116	118	2
Silver	0.00	0.500	0.530	0.480	106	96	10
Thallium	0.00	3.000	2.970	2.850	99	95	4
Vanadium	0.00	0.500	0.570	0.600	114	120	5
Zinc	0.00	0.100	0.112	0.106	112	106	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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8751

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.8	1.8	72	72	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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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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/26/97
Laboratory Sample No : 97030934
Laboratory Reference No : MWI 8751

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	114	118	114	118	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

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 : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 03/27/97
Laboratory Sample No : 97030995
Laboratory Reference No : MWI 8751

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	82	86	82	86	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

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

Date of Analysis : 03/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8751

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	34	37	68	74	8
n-Nitroso-di-n-propylamine	0.0	50	44	43	88	86	2
1,2,4-Trichlorobenzene	0.0	50	34	40	68	80	16
Acenaphthene	0.0	50	43	47	86	94	9
Pyrene	0.0	50	45	48	90	96	6
Pentachlorophenol	0.0	100	75	79	75	79	
4-Chloro-3-Methylphenol	0.0	100	62	76	62	76	20
2-Chlorophenol	0.0	100	71	76	71	76	7
Phenol	0.0	100	25	25	25	25	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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Laboratory Director

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

Date of Analysis : 03/31/97
Laboratory Sample No : 97030933
Laboratory Reference No : MWI 8751

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	41	37	82	74	10
n-Nitroso-di-n-propylamine	0.0	50	45	34	90	68	28
1,2,4-Trichlorobenzene	0.0	50	37	32	74	64	14
Acenaphthene	0.0	50	43	38	86	76	12
Pyrene	0.0	50	42	36	84	72	15
Pentachlorophenol	0.0	100	69	47	69	47	38
4-Chloro-3-Methylphenol	0.0	100	69	56	69	56	21
2-Chlorophenol	0.0	100	75	65	75	65	14
Phenol	0.0	100	70	59	70	59	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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Mark Noorani

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

Date of Analysis : 04/03/97
Laboratory Sample No : 970301110
Laboratory Reference No : MWI 8751

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	47	48	94	96	2
n-Nitroso-di-n-propylamine	0.0	50	50	49	100	98	2
1,2,4-Trichlorobenzene	0.0	50	50	49	100	98	2
Acenaphthene	0.0	50	50	50	100	100	0
Pyrene	0.0	50	43	44	86	88	2
Pentachlorophenol	0.0	100	85	88	85	88	
4-Chloro-3-Methylphenol	0.0	100	79	78	79	78	1
2-Chlorophenol	0.0	100	85	86	85	86	1
Phenol	0.0	100	76	76	76	76	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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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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 03/31/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 8751

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	48	94	96	2
1,1-Dichloroethene	0.0	50	44	44	88	88	0
Trichloroethene	0.0	50	46	48	92	96	4
Toluene	0.0	50	48	52	96	104	8
Chlorobenzene	0.0	50	46	47	92	94	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

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 : 04/01/97
Laboratory Sample No : 97030979
Laboratory Reference No : MWI 8739

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	16	17	80	85	6
1,1-Dichloroethene	0.0	20	13	14	65	70	7
Trichloroethene	0.0	20	15	16	75	80	6
Toluene	0.0	20	17	18	85	90	6
Chlorobenzene	0.0	20	16	18	80	90	12

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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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 : 03/27/97
Laboratory Sample No : 97031012
Laboratory Reference No : MWI 8751

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	500	490	410	98	82	18

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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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 : 03/26/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8751

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	38	37	76	74	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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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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 03/26/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8751

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDE	0.0	1.00	0.65	0.72	65	72	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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MARK NOORANI
Laboratory Director

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 2

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

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91109
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas C-6 Facility
NUMBER: 1206085.01090010
LOCATION: BLDG 37 Area
ADDRESS: 19503 S. Normandie Ave. Torrance CA
SAMPLED BY: JM / AWN

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
B37-RE4-SPCOMF	2	3/25/97	0800	Soil	2"x6" SS Sleeve	ICE	X	X	X	X					Split Sample with
B37-RE2-SPCOMF	2		0820				X	X	X	X					Water Board & MW
B37-RE3-SPCOMF	2		0845				X	X	X	X					
B37-RE1-SPCOMF	2		0920				X	X	X	X					
VSS-COMP	2		0955				X	X	X	X					
B37-GS-105-3'	2		1120				X	X	X	X					
B37-GS-106-9'	2		1135				X	X	X	X					
B37-CS-1	2		1130	Concrete	Glass Jar		X	X	X	X	X				
B37-CS-2	2		1145				X	X	X	X	X				
B37-CS-3	2		1250				X	X	X	X	X	NO PCBs	JM		
B37-CS-4	2		1300				X	X	X	X	X	NO PCBs			
B37-RE4-SP28	2		1352	Soil	2"x6" SS Sleeve		X	X	X	X					

Total No. of Samples: 15

Method of Shipment: Courier (Orange Coast)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Joshua Mann	3-25-97 1620		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	3/25/97 16:20PM

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 pick[illegible]

BOE-C6-0148691

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

Analy Request and Chain of Custody Record

Lab Job No: _____
Page 2 of 2

24 hr. TAT on soil TRPH only
REQUIRED TAT: Standard otherwise

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	McDonnell-Douglas C-6 Facility
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035 01090010
ADDRESS:	250 N. Madison Ave. Pasadena, CA 91109	LOCATION:	BLDG 37 Area
		ADDRESS:	19503 S. Normandie Ave Torrance, CA
PHONE:	(818) 568-6582 FAX: (818) 796-5941	SAMPLED BY:	JAM/AWN

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
Equipment Blank	7	3/25/97	1600	Water	Amber Poly VOAs	HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7	↓	1615	Water	Amber Poly VOAs	HNO3 HCl	X	X	X	X	X	X			
Trip Blank	2	↓	-	Water	VOAs	HCl			X						VOCs ONLY

Total No. of Samples: 15

Method of Shipment: Courier (Orange Coast)

Relinquished By:	Date/Time:	Received By:	Date/Time:
John Mann	3:25:97 1620		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	3/25/97 16:20PM

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-C6-0148692

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

Sample Description: Soil

Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 03-28-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97031050	B37-RE4-SP30	54
97031051	B37-RE4-SP31	85
97031052	B37-RE4-SP32	13
Detection Limit:		8.0

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

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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, B37-RE4-SP30

Laboratory Sample Number: 97031050
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

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	130	<---
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	9.4	<---
Copper	6010	25	2500	0.1	20	<---
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	31	<---
Zinc	6010	250	5000	0.1	59	<---

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

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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, B37-RE4-SP31

Laboratory Sample Number: 97031051
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

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	34	<---
Cobalt	6010	80	8000	0.5	7.9	<---
Copper	6010	25	2500	0.1	18	<---
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	29	<---
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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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, B37-RE4-SP32

Laboratory Sample Number: 97031052
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

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	130	<---
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	44	<---
Cobalt	6010	80	8000	0.5	8.2	<---
Copper	6010	25	2500	0.1	24	<---
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	33	<---
Zinc	6010	250	5000	0.1	82	<---

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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP30
Laboratory Sample Number: 97031050
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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

Sample Description: Soil, B37-RE4-SP30

Laboratory Sample Number: 97031050

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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

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Surrogate Recoveries	*%*
Dibromofluoromethane	*102*
Toluene-d8	*94*
4-Bromofluorobenzene	*98*

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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, B37-RE4-SP31
Laboratory Sample Number: 97031051
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, B37-RE4-SP31

Laboratory Sample Number: 97031051

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*101*
Toluene-d8	*91*
4-Bromofluorobenzene	*98*

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, B37-RE4-SP32
Laboratory Sample Number: 97031052
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, B37-RE4-SP32

Laboratory Sample Number: 97031052

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*93*
Toluene-d8	*92*
4-Bromofluorobenzene	*89*

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP30
Laboratory Sample #: 97031050
Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 04-04-97
Reported: 04-08-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	800 <---
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.
enzo(a)pyrene	50-32-8	250	N.D.
enzyl 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 ether	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.
6-Dinitro-2-methylphenol	534-52-1	100	N.D.
4-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, B37-RE4-SP30
Laboratory Sample #: 97031050

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
Fluoranthene	206-44-0	100	230	<---
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	100	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	300	<---
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.
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, B37-RE4-SP31
Laboratory Sample #: 97031051
Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 04-04-97
Reported: 04-08-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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 ether	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.

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

Sample Description: Soil, B37-RE4-SP31
Laboratory Sample #: 97031051

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
Fluoranthene	206-44-0	100	220	<---
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	280	<---
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.
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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP32
Laboratory Sample #: 97031052
Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 04-04-97
Reported: 04-08-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	190	<---
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	270	<---
Benzo(g,h,i)perylene	191-24-2	250	N.D.	
enzo(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 ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	400	<---
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.	
',6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, B37-RE4-SP32
Laboratory Sample #: 97031052

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

Sample Description: Water

Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 04-08-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97031053	Equipment Blank	N.D.
97031054	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031053
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-01-97
Reported: 04-08-97

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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031054
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-01-97
Reported: 04-08-97

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 detectior

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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, Equip Blank
Laboratory Sample #: 97031053
Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

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.
Benzidine	92-87-5	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 ether	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97031053

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.
aphthalene	91-20-3	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

ark 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: Water, Rinsate Blank
Laboratory Sample #: 97031054
Laboratory Reference #: MWI 8767

Sampled : 03-27-97
Received: 03-27-97
Analyzed: 04-02-97
Reported: 04-08-97

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.
Benzidine	92-87-5	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 ether	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 #: 97031054

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

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, Equip Blank
Laboratory Sample Number: 97031053
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-01-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031053

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*93*
4-Bromofluorobenzene	*102*

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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: 97031054
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-01-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031054

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*94*
4-Bromofluorobenzene	*107*

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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: 97031055
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 04-01-97
Reported: 04-08-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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Sample Description: Water, Trip Blank

Laboratory Sample Number: 97031055

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*92*
4-Bromofluorobenzene	*102*

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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: 97031053
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 04-08-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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 c
detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8924

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.1	88	84	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

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Tustin, CA 92680
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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; 24 hr TAT (or ASAP) on B37-RE4-SP34; ~~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) 796-5944

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility, Bldg. 37 Area
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
SAMPLED BY: AWN/IV

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
B37-RE4-SP50	2	4/17/97	0900	SOIL	2"x6" ss sleeve	ICE	X	X	X	X			24 hr TAT on TRPH only.
B37-RE4-SP34A	2		1310							X			24 hr TAT or ASAP (48hr)
B37-RE4-SP34B	2		1315							X			
B37-RE4-SP34C	2		1330							X			
B37-RE4-SP34D	2		1345							X			
B37-RE4-SP34E	2		1405							X			
Equipment Blank	7		1545	Water	4 amber 1 poly 2 vials		X	X	X	X	X	X	Standard TAT
Rinsate Blank	7		1600				X	X	X	X	X	X	
Trip Blank	2		—		2 VOAs				X				

Total No. of Samples: 9

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam W. Nomi	4/17/97 1630		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: 4/17/97 16:30

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-C6-0148724

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 04/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8924

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	9.6	7.5	48	38	25

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040628
Laboratory Reference No : MWI 8924

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	97	107	97	107	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
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 04/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8924

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	37	43	74	86	15
n-Nitroso-di-n-propylamine	0.0	50	47	50	94	100	6
1,2,4-Trichlorobenzene	0.0	50	39	45	78	90	14
Acenaphthene	0.0	50	47	51	94	102	8
Pyrene	0.0	50	40	46	80	92	14
Pentachlorophenol	0.0	100	80	80	80	80	0
4-Chloro-3-Methylphenol	0.0	100	65	67	65	67	3
2-Chlorophenol	0.0	100	80	83	80	83	4
Phenol	0.0	100	23	26	23	26	12

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 04/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8924

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.95	1.00	95	100	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

MARK NOORANI
Laboratory Director

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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 : 04/24/97
Laboratory Sample No : 97040824
Laboratory Reference No : MWI 8924

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	17	16	85	80	6
1,1-Dichloroethene	0.0	20	15	14	75	70	7
Trichloroethene	0.0	20	19	17	95	85	11
Toluene	0.0	20	18	16	90	80	12
Chlorobenzene	0.0	20	18	16	90	80	12

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.
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QC DATA REPORT

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

Date of Analysis : 04/16/97
Laboratory Sample No : 97040492
Laboratory Reference No : MWI 8924

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	45	92	90	2
n-Nitroso-di-n-propylamine	0.0	50	49	49	98	98	0
1,2,4-Trichlorobenzene	0.0	50	48	47	96	94	2
Acenaphthene	0.0	50	51	50	102	100	2
Pyrene	0.0	50	38	33	76	66	14
Pentachlorophenol	0.0	100	77	82	77	82	6
4-Chloro-3-Methylphenol	0.0	100	71	72	71	72	1
2-Chlorophenol	0.0	100	79	77	79	77	3
Phenol	0.0	100	70	69	70	69	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/21/97
Laboratory Sample No : 97040833
Laboratory Reference No : MWI 8924

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	28.00	28.00	93	93	0
Arsenic	0.00	10.00	10.80	10.80	108	108	0
Barium	14.00	10.00	24.00	25.00	100	110	4
Beryllium	0.00	1.00	1.10	1.14	110	114	4
Cadmium	0.00	1.00	0.92	0.94	92	94	2
Chromium (Total)	2.90	5.00	7.70	7.90	96	100	3
Chromium (VI)	0.00	1.00	0.88	0.91	88	91	3
Cobalt	0.80	1.00	1.88	1.87	108	107	1
Copper	1.40	1.00	2.30	2.45	90	105	6
Lead	0.00	10.00	9.00	9.60	90	96	6
Mercury	0.000	0.020	0.024	0.023	120	115	4
Molybdenum	0.00	10.00	10.40	9.80	104	98	6
Nickel	1.30	5.00	6.40	5.90	102	92	8
Selenium	0.00	10.00	9.30	9.90	93	99	6
Silver	0.00	5.00	5.00	4.50	100	90	11
Thallium	0.00	30.00	28.00	27.00	93	90	4
Vanadium	3.80	5.00	8.90	8.80	102	100	1
Zinc	4.70	5.00	9.80	9.50	102	96	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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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 : 04/25/97
Laboratory Sample No : 97040851
Laboratory Reference No : MWI 8924

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	45	47	90	94	4
1,1-Dichloroethene	53	50	110	99	114	92	11
Trichloroethene	6.5	50	62	65	111	117	5
Toluene	0.0	50	48	49	54	98	2
Chlorobenzene	0.0	50	47	47	51	94	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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97040823

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.
Methylphenol	106-44-5	5.0	N.D.
thalene	91-20-3	50	N.D.
itroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

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: Water, Equip Blank

Laboratory Sample Number: 97040822
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-28-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040823
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-28-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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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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: Water, Equip Blank

Laboratory Sample Number: 97040822
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-28-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040823
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-21-97
Reported: 04-28-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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

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 : Metals

Date of Analysis : 04/22/97
Laboratory Sample No : 97040596
Laboratory Reference No : MWI 8924

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	2.420	2.700	81	90	11
Arsenic	0.00	1.000	0.800	0.920	80	92	14
Barium	0.00	0.100	0.105	0.104	105	104	1
Beryllium	0.00	0.100	0.085	0.087	85	87	2
Cadmium	0.00	0.100	0.089	0.097	89	97	9
Chromium (VI)	0.00	0.500	0.450	0.490	90	98	9
Chromium (Total)	0.00	0.100	0.087	0.091	87	91	4
Cobalt	0.00	0.100	0.109	0.107	109	107	2
Copper	0.00	0.100	0.080	0.089	80	89	11
Lead	0.00	1.000	1.040	1.010	104	101	3
Mercury	0.000	0.020	0.020	0.022	100	110	10
Molybdenum	0.00	1.000	0.920	1.000	92	100	8
Nickel	0.00	0.500	0.500	0.480	100	96	4
Selenium	0.00	1.000	0.860	0.950	86	95	10
Silver	0.00	0.500	0.440	0.480	88	96	9
Thallium	0.00	3.000	2.460	2.650	82	88	7
Vanadium	0.00	0.500	0.450	0.470	90	94	4
Zinc	0.00	0.100	0.109	0.109	109	109	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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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: Water, Rinsate Blank

Laboratory Sample Number: 97031054
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 04-08-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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 c
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: Water, Equipment Blank

Laboratory Sample Number: 97031053
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 04-08-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 o 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: Water, Rinsate Blank

Laboratory Sample Number: 97031054
Laboratory Reference #: MWI 8767

Sampled: 03-27-97
Received: 03-27-97
Analyzed: 03-28-97
Reported: 04-08-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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 c
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

QC DATA REPORT

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

Date of Analysis : 04/01/97
Laboratory Sample No : 97030979
Laboratory Reference No : MWI 8767

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	16	17	80	85	6
1,1-Dichloroethene	0.0	20	13	14	65	70	7
Trichloroethene	0.0	20	15	16	75	80	6
Toluene	0.0	20	17	18	85	90	6
Chlorobenzene	0.0	20	16	18	80	90	12

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 : 03/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8767

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	40	42	80	84	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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8767

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.8	1.8	72	72	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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/28/97
Laboratory Sample No : 97030397
Laboratory Reference No : MWI 8767

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	87	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

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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 : 04/02/97
Laboratory Sample No : 97031034
Laboratory Reference No : MWI 8767

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	49	106	98	8
1,1-Dichloroethene	0.0	50	54	50	108	100	8
Trichloroethene	0.0	50	49	44	98	88	11
Toluene	0.0	50	51	50	102	100	2
Chlorobenzene	0.0	50	49	47	98	94	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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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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/04/97
Laboratory Sample No : 97031110
Laboratory Reference No : MWI 8767

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	48	47	96	94	2
n-Nitroso-di-n-propylamine	0.0	50	48	49	96	98	2
1,2,4-Trichlorobenzene	0.0	50	49	49	98	98	0
Acenaphthene	0.0	50	51	50	102	100	2
Pyrene	0.0	50	41	39	82	78	5
Pentachlorophenol	0.0	100	90	90	90	90	0
4-Chloro-3-Methylphenol	0.0	100	77	73	77	73	5
2-Chlorophenol	0.0	100	87	85	87	85	2
Phenol	0.0	100	77	75	77	75	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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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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8767

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	40	41	80	82	2
n-Nitroso-di-n-propylamine	0.0	50	41	49	82	98	18
1,2,4-Trichlorobenzene	0.0	50	35	37	70	74	6
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	47	50	94	100	6
Pentachlorophenol	0.0	100	79	82	79	82	
4-Chloro-3-Methylphenol	0.0	100	69	72	69	72	4
2-Chlorophenol	0.0	100	78	81	78	81	4
Phenol	0.0	100	30	33	30	33	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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Mark Noorani

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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 : Metals

Date of Analysis : 04/01/97
Laboratory Sample No : 97031017
Laboratory Reference No : MWI 8767

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	2.800	3.000	93	100	7
Arsenic	0.00	1.000	0.960	0.920	96	92	4
Barium	0.00	0.100	0.097	0.095	97	95	2
Beryllium	0.00	0.100	0.094	0.089	94	89	5
Cadmium	0.00	0.100	0.098	0.102	98	102	4
Chromium (VI)	0.00	0.500	0.430	0.410	86	82	5
Chromium (Total)	0.00	0.100	0.098	0.095	98	95	3
Cobalt	0.00	0.100	0.099	0.096	99	96	3
Copper	0.00	0.100	0.102	0.098	102	98	4
Lead	0.00	1.000	0.910	0.800	91	80	13
Mercury	0.000	0.020	0.022	0.020	110	100	10
Molybdenum	0.00	1.000	1.150	1.060	115	106	8
Nickel	0.00	0.500	0.520	0.490	104	98	6
Selenium	0.00	1.000	1.090	1.050	109	105	4
Silver	0.00	0.500	0.570	0.570	114	114	0
Thallium	0.00	3.000	2.600	3.000	87	100	14
Vanadium	0.00	0.500	0.470	0.450	94	90	4
Zinc	0.00	0.100	0.098	0.088	98	88	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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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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 03/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8767

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4-4' -DDD	0.00	1.00	0.66	0.80	66	80	19

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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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 : Metals

Date of Analysis : 04/02/97
Laboratory Sample No : 97031116
Laboratory Reference No : MWI 8767

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.7	30.1	102	100	2
Arsenic	0.0	10.0	10.0	9.2	100	92	8
Barium	10.0	10.0	21.8	20.9	118	109	4
Beryllium	0.00	1.00	0.99	1.05	99	105	6
Cadmium	0.00	1.00	0.99	1.00	99	100	1
Chromium (Total)	2.2	5.0	7.6	7.3	108	102	4
Chromium (VI)	0.00	1.00	1.05	0.92	105	92	13
Cobalt	0.83	1.00	1.80	1.70	97	87	6
Copper	2.1	5.0	7.5	7.4	108	106	1
Lead	0.00	10.00	9.40	9.70	94	97	3
Mercury	0.000	0.020	0.022	0.019	110	95	15
Molybdenum	0.0	10.0	9.1	9.2	91	92	1
Nickel	1.1	5.0	5.6	5.4	90	86	4
Selenium	0.0	10.0	9.9	9.3	99	93	6
Silver	0.0	5.0	4.3	4.3	86	86	0
Thallium	0.0	30.0	25.4	27.0	85	90	6
Vanadium	2.5	5.0	7.4	7.2	98	94	3
Zinc	4.2	5.0	8.7	8.7	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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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

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: (818) 568-6587 FAX (818) 796 5741

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas Corporation
NUMBER: 1206038.01090010
LOCATION: Bldg 37 area
ADDRESS: 19503 S Normandie Ave, Torrance, CA
SAMPLED BY: IV / NM

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
B37-REA-SP30	2	3/27/97	0855	Soil	2"x6" SS sleeve	Ice	X	X	X	X			
B37-REA-SP31	2		1132	Soil	2"x6" SS sleeve		X	X	X	X			
B37-REA-SP32	2		1506	Soil	2"x6" SS sleeve		X	X	X	X			
Equipment blank	7		1545	Water	1 amber 1 poly 2 VOAs	None Yellow Ice	X	X	X	X	X	X	
Rinsate blank	7		1600				X	X	X	X	X	X	
Trip blank	2				2 VOAs	HCL			X				

AWN 3/28/97

Total No. of Samples: 6

Method of Shipment: Orange Coast Courier (1 cooler)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	3/27/97 17:30		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: [illegible]

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 responsi[illegible]sposal. A disposal fee may be imposed if client fails to pickup samples.

APR 28 '97 03:00PM MCDONNELL DOUGLAS P.1/1

BOE-C6-0148752

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

ontgomery 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: Soil

Laboratory Reference #: MWI 8777

Sampled : 03-28-97
Received: 03-28-97
Analyzed: 03-31-97
Reported: 03-31-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97031094	B37-RE4-SP33	500
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP33

Laboratory Sample Number: 97031094
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-02-97
Reported: 04-10-97

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	96	<---
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	26	<---
Cobalt	6010	80	8000	0.5	7.6	<---
Copper	6010	25	2500	0.1	41	<---
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	13	<---
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	70	<---

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

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Laboratory Director

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

ontgomery Watson
..TTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP33
Laboratory Sample Number: 97031094
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-07-97
Reported: 04-10-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
:ans 1,2-Dichloroethene	156-60-5	2.5	N.D.
.,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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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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

Sample Description: Soil, B37-RE4-SP33

Laboratory Sample Number: 97031094

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Dibromochloromethane	124-48-1	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	5.6	<---
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-2-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	*96*
4-Bromofluorobenbzene	*103*

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP33
Laboratory Sample #: 97031094
Laboratory Reference #: MWI 8777

Sampled : 03-28-97
Received: 03-28-97
Analyzed: 04-04-97
Reported: 04-10-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	240	<---
Benzo(b)fluoranthene	205-99-2	250	N.D.	
Benzo(k)fluoranthene	207-08-9	250	N.D.	
nzo(g,h,i)perylene	191-24-2	250	N.D.	
:o(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 ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	300	<---
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.	
·Dinitro-2-methylphenol	534-52-1	100	N.D.	
·Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, B37-RE4-SP33
Laboratory Sample #: 97041094

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
Fluoranthene	206-44-0	100	360	<---
Fluorene	86-73-7	100	100	<---
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	190	<---
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	290	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	390	<---
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.
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, Equipment Blank

Laboratory Sample Number: 97031095
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-01-97
Reported: 04-10-97

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.
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: 97031096
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-01-97
Reported: 04-10-97

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.
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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample #: 97031095
Laboratory Reference #: MWI 8777

Sampled : 03-28-97
Received: 03-28-97
Analyzed: 04-02-97
Reported: 04-10-97

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.
Benzidine	92-87-5	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.
·nzo(g,h,i)perylene	191-24-2	25	N.D.
.zo(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 ether	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.
·-Dinitro-2-methylphenol	534-52-1	50	N.D.
.-Dinitrophenol	51-28-5	50	N.D.

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97031095

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled : 03-28-97
Sample Description: Water, Rinsate Blank *Received:* 03-28-97
Laboratory Sample #: 97031096 *Analyzed:* 04-02-97
Laboratory Reference #: MWI 8777 *Reported:* 04-10-97

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.
Benzidine	92-87-5	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.
nzo(g,h,i)perylene	191-24-2	25	N.D.
zo(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 ether	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.
-Dinitro-2-methylphenol	534-52-1	50	N.D.
,4-Dinitrophenol	51-28-5	50	N.D.

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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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97031096

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97031095
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-03-97
Reported: 04-10-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031095

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*95*
4-Bromofluorobenzene	*113*

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: Water, Rinsate Blank
Laboratory Sample Number: 97031096
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-03-97
Reported: 04-10-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031096

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*93*
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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97031097
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-03-97
Reported: 04-10-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97031097

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*106*
Toluene-d8	*94*
4-Bromofluorobenzene	*111*

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: Water, Equipment Blank

Laboratory Sample Number: 97031095
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-08-97
Reported: 04-10-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031096
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-08-97
Reported: 04-10-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equipment Blank

Laboratory Sample Number: 97031095
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-08-97
Reported: 04-10-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031096
Laboratory Reference #: MWI 8777

Sampled: 03-28-97
Received: 03-28-97
Analyzed: 04-08-97
Reported: 04-10-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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

ontgomery 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 8777

Sampled : 03-28-97
Received: 03-28-97
Analyzed: 03-31-97
Reported: 04-10-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97031095	Equip Blank	N.D.
97031096	Rinstate 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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/31/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8777

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.8	1.9	72	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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 03/31/97
Laboratory Sample No : 97030931
Laboratory Reference No : MWI 8777

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	92	92	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
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 04/04/97
Laboratory Sample No : 97031110
Laboratory Reference No : MWI 8777

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	48	47	96	94	2
n-Nitroso-di-n-propylamine	0.0	50	48	49	96	98	2
1,2,4-Trichlorobenzene	0.0	50	49	49	98	98	0
Acenaphthene	0.0	50	51	50	102	100	2
Pyrene	0.0	50	41	39	82	78	5
Pentachlorophenol	0.0	100	90	90	90	90	0
4-Chloro-3-Methylphenol	0.0	100	77	73	77	73	5
2-Chlorophenol	0.0	100	87	85	87	85	2
Phenol	0.0	100	77	75	77	75	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 : 04/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8777

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	40	41	80	82	2
n-Nitroso-di-n-propylamine	0.0	50	41	49	82	98	18
1,2,4-Trichlorobenzene	0.0	50	35	37	70	74	6
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	47	50	94	100	6
Pentachlorophenol	0.0	100	79	82	79	82	4
4-Chloro-3-Methylphenol	0.0	100	69	72	69	72	4
2-Chlorophenol	0.0	100	78	81	78	81	4
Phenol	0.0	100	30	33	30	33	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 : Metals

Date of Analysis : 04/02/97
Laboratory Sample No : 97031116
Laboratory Reference No : MWI 8777

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.7	30.1	102	100	2
Arsenic	0.0	10.0	10.0	9.2	100	92	8
Barium	10.0	10.0	21.8	20.9	118	109	4
Beryllium	0.00	1.00	0.99	1.05	99	105	6
Cadmium	0.00	1.00	0.99	1.00	99	100	1
Chromium (Total)	2.2	5.0	7.6	7.3	108	102	4
Chromium (VI)	0.00	1.00	1.05	0.92	105	92	13
Cobalt	0.83	1.00	1.80	1.70	97	87	6
Copper	2.1	5.0	7.5	7.4	108	106	1
Lead	0.00	10.00	9.40	9.70	94	97	3
Mercury	0.000	0.020	0.022	0.019	110	95	15
Molybdenum	0.0	10.0	9.1	9.2	91	92	1
Nickel	1.1	5.0	5.6	5.4	90	86	4
Selenium	0.0	10.0	9.9	9.3	99	93	6
Silver	0.0	5.0	4.3	4.3	86	86	0
Thallium	0.0	30.0	25.4	27.0	85	90	6
Vanadium	2.5	5.0	7.4	7.2	98	94	3
Zinc	4.2	5.0	8.7	8.7	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 : Metals

Date of Analysis : 04/01/97
Laboratory Sample No : 97031017
Laboratory Reference No : MWI 8777

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	2.800	3.000	93	100	7
Arsenic	0.00	1.000	0.960	0.920	96	92	4
Barium	0.00	0.100	0.097	0.095	97	95	2
Beryllium	0.00	0.100	0.094	0.089	94	89	5
Cadmium	0.00	0.100	0.098	0.102	98	102	4
Chromium (VI)	0.00	0.500	0.430	0.410	86	82	5
Chromium (Total)	0.00	0.100	0.098	0.095	98	95	3
Cobalt	0.00	0.100	0.099	0.096	99	96	3
Copper	0.00	0.100	0.102	0.098	102	98	4
Lead	0.00	1.000	0.910	0.800	91	80	13
Mercury	0.000	0.020	0.022	0.020	110	100	10
Molybdenum	0.00	1.000	1.150	1.060	115	106	8
Nickel	0.00	0.500	0.520	0.490	104	98	6
Selenium	0.00	1.000	1.090	1.050	109	105	4
Silver	0.00	0.500	0.570	0.570	114	114	0
Thallium	0.00	3.000	2.600	3.000	87	100	14
Vanadium	0.00	0.500	0.470	0.450	94	90	4
Zinc	0.00	0.100	0.098	0.088	98	88	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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8777

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.73	0.69	73	69	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 : PCB 'S (EPA 8080)

Date of Analysis : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8777

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	45	41	90	82	9

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 : 04/03/97
Laboratory Sample No : 97040110
Laboratory Reference No : MWI 8777

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	21	21	105	105	0
1,1-Dichloroethene	0.0	20	20	20	100	100	0
Trichloroethene	0.0	20	19	21	95	105	10
Toluene	0.0	20	22	21	110	105	5
Chlorobenzene	0.0	20	20	20	100	100	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 04/07/97
Laboratory Sample No : 97041110
Laboratory Reference No : MWI 8777

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	54	52	108	104	4
1,1-Dichloroethene	0.0	50	53	52	106	104	2
Trichloroethene	0.0	50	54	52	108	104	4
Toluene	0.0	50	55	54	110	108	2
Chlorobenzene	0.0	50	48	50	96	100	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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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

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

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Harbison Ave
Pasadena, CA 91101
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas C-6 facility
NUMBER: 1206035.01090010
LOCATION: Bldg 37 area
ADDRESS: 19503 S Normandie Ave
Torrance, CA
SAMPLED BY: IV / NM

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
B37-RE4-SP33	2	3/28/97	11:32	Soil	2"x6" CS Sleeve	Ice	X	X	X	X					
Equipment blank	7		15:45	Water	1 amber 1 poly 2 VOAs	None HCL	X	X	X	X	X	X			
Rinsate blank	7		16:00		1 amber 1 poly 2 VOAs	None HCL	X	X	X	X	X	X			
trip blank	2		—		2 VOAs	HCL			X						

Total No. of Samples: 4

Method of Shipment: Orange Coast Courier (1 cooler total 3/28/97)

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	3/28/97 18:10		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 03-28-97 6:08 PM

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 .l. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0148786

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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: Soil

Laboratory Reference #: MWI 8781

Sampled : 03-31-97
Received: 03-31-97
Analyzed: 04-01-97
Reported: 04-01-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97031109	B37-RE4-SP34	110
97031110	B37-RE4-SP35	N.D.
97031111	B37-GS-112-5.5'	15
97031112	B37-GS-113-5.5'	14
97031113	B37-GS-114-5.5'	13
97031114	B37-GS-115-5.5'	28
97031115	B37-GS-116-8'	N.D.
97031116	B37-RE4-SP36	77
Detection Limit:		8.0

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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34

Laboratory Sample Number: 97031109
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-02-97
Reported: 04-14-97

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	130	<---
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	7.8	<---
Copper	6010	25	2500	0.1	27	<---
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	30	<---
Zinc	6010	250	5000	0.1	58	<---

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34
Laboratory Sample Number: 97031109
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-07-97
Reported: 04-14-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
ans 1,2-Dichloroethene	156-60-5	2.5	N.D.
,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.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, B37-RE4-SP34

Laboratory Sample Number: 97031109

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*97*
4-Bromofluorobenbzene	*105*

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34
Laboratory Sample #: 97031109
Laboratory Reference #: MWI 8781

Sampled : 03-31-97
Received: 03-31-97
Analyzed: 04-03-97
Reported: 04-14-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
zo(g,h,i)perylene	191-24-2	250	N.D.
zo(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 ether	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.
imethyl phthalate	131-11-3	100	N.D.
Dinitro-2-methylphenol	534-52-1	100	N.D.
-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, B37-RE4-SP34
Laboratory Sample #: 97031109

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
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	110	<---
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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

ontgomery 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 8781

Sampled : 03-31-97
Received: 03-31-97
Analyzed: 04-02-97
Reported: 04-14-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97031117	Equip Blank	N.D.
97031118	Rinstate 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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Laboratory Director

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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, Equip Blank

Laboratory Sample Number: 97031117
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-01-97
Reported: 04-14-97

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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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: 97031118
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-01-97
Reported: 04-14-97

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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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, Equip Blank
Laboratory Sample Number: 97031117
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-03-97
Reported: 04-14-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031117

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*106*
Toluene-d8	*93*
4-Bromofluorobenzene	*107*

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: 97031118
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-12-97
Reported: 04-14-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/l)***	***SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031118

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*94*
4-Bromofluorobenzene	*108*

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, Trip Blank
Laboratory Sample Number: 97031119
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-12-97
Reported: 04-14-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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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

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97031119

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*107*
Toluene-d8	*91*
4-Bromofluorobenzene	*107*

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

Sampled : 03-31-97
Sample Description: Water, Equip Blank *Received:* 03-31-97
Laboratory Sample #: 97031117 *Analyzed:* 04-04-97
Laboratory Reference #: MWI 8781 *Reported:* 04-14-97

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.
Benzidine	92-87-5	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 ether	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 #: 97031117

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.
[illegible]ethylphenol	106-44-5	5.0	N.D.
[illegible]thalene	91-20-3	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

[illegible] 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: Water, Rinsate Blank
Laboratory Sample #: 97031118
Laboratory Reference #: MWI 8781

Sampled : 03-31-97
Received: 03-31-97
Analyzed: 04-04-97
Reported: 04-14-97

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.
Benzidine	92-87-5	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 ether	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97031118

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	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031117
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-08-97
Reported: 04-14-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031118
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-08-97
Reported: 04-14-97

ORGANOCHLORINE PESTICIDES (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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.
delta-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	72-54-8	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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97031117
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-08-97
Reported: 04-14-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97031118
Laboratory Reference #: MWI 8781

Sampled: 03-31-97
Received: 03-31-97
Analyzed: 04-08-97
Reported: 04-14-97

PCB'S (EPA 8080)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (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

QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/01/97
Laboratory Sample No : 97030931
Laboratory Reference No : MWI 8781

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	100	100	100	100	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8781

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.2	92	88	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/01/97
Laboratory Sample No : 97031017
Laboratory Reference No : MWI 8781

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	2.800	3.000	93	100	7
Arsenic	0.00	1.000	0.960	0.920	96	92	4
Barium	0.00	0.100	0.097	0.095	97	95	2
Beryllium	0.00	0.100	0.094	0.089	94	89	5
Cadmium	0.00	0.100	0.098	0.102	98	102	4
Chromium (VI)	0.00	0.500	0.430	0.410	86	82	5
Chromium (Total)	0.00	0.100	0.098	0.095	98	95	3
Cobalt	0.00	0.100	0.099	0.096	99	96	3
Copper	0.00	0.100	0.102	0.098	102	98	4
Lead	0.00	1.000	0.910	0.800	91	80	13
Mercury	0.000	0.020	0.022	0.020	110	100	10
Molybdenum	0.00	1.000	1.150	1.060	115	106	8
Nickel	0.00	0.500	0.520	0.490	104	98	6
Selenium	0.00	1.000	1.090	1.050	109	105	4
Silver	0.00	0.500	0.570	0.570	114	114	0
Thallium	0.00	3.000	2.600	3.000	87	100	14
Vanadium	0.00	0.500	0.470	0.450	94	90	4
Zinc	0.00	0.100	0.098	0.088	98	88	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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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/02/97
Laboratory Sample No : 97031116
Laboratory Reference No : MWI 8781

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.7	30.1	102	100	2
Arsenic	0.0	10.0	10.0	9.2	100	92	8
Barium	10.0	10.0	21.8	20.9	118	109	4
Beryllium	0.00	1.00	0.99	1.05	99	105	6
Cadmium	0.00	1.00	0.99	1.00	99	100	1
Chromium (Total)	2.2	5.0	7.6	7.3	108	102	4
Chromium (VI)	0.00	1.00	1.05	0.92	105	92	13
Cobalt	0.83	1.00	1.80	1.70	97	87	6
Copper	2.1	5.0	7.5	7.4	108	106	1
Lead	0.00	10.00	9.40	9.70	94	97	3
Mercury	0.000	0.020	0.022	0.019	110	95	15
Molybdenum	0.0	10.0	9.1	9.2	91	92	1
Nickel	1.1	5.0	5.6	5.4	90	86	4
Selenium	0.0	10.0	9.9	9.3	99	93	6
Silver	0.0	5.0	4.3	4.3	86	86	0
Thallium	0.0	30.0	25.4	27.0	85	90	6
Vanadium	2.5	5.0	7.4	7.2	98	94	3
Zinc	4.2	5.0	8.7	8.7	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 04/07/97
Laboratory Sample No : 97041110
Laboratory Reference No : MWI 8781

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	54	52	108	104	4
1,1-Dichloroethene	0.0	50	53	52	106	104	2
Trichloroethene	0.0	50	54	52	108	104	4
Toluene	0.0	50	55	54	110	108	2
Chlorobenzene	0.0	50	48	50	96	100	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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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 : 04/12/97
Laboratory Sample No : 97031118
Laboratory Reference No : MWI 8781

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	17	19	85	95	11
1,1-Dichloroethene	0.0	20	15	17	75	85	13
Trichloroethene	0.0	20	17	18	85	90	6
Toluene	0.0	20	18	20	90	100	11
Chlorobenzene	0.0	20	18	19	90	95	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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Laboratory Director

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

Date of Analysis : 04/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8781

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	41	39	82	78	5
n-Nitroso-di-n-propylamine	0.0	50	45	42	90	84	7
1,2,4-Trichlorobenzene	0.0	50	40	40	80	80	0
Acenaphthene	0.0	50	47	45	94	90	4
Pyrene	0.0	50	44	45	88	90	2
Pentachlorophenol	0.0	100	82	83	82	83	1
4-Chloro-3-Methylphenol	0.0	100	70	69	70	69	1
2-Chlorophenol	0.0	100	81	79	81	79	3
Phenol	0.0	100	31	31	31	31	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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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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/07/97
Laboratory Sample No : 97031115
Laboratory Reference No : MWI 8781

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	44	84	88	5
n-Nitroso-di-n-propylamine	0.0	50	44	47	88	94	7
1,2,4-Trichlorobenzene	0.0	50	42	44	84	88	5
Acenaphthene	0.0	50	45	47	90	94	4
Pyrene	0.0	50	44	45	88	90	2
Pentachlorophenol	0.0	100	77	82	77	82	6
4-Chloro-3-Methylphenol	0.0	100	69	72	69	72	4
2-Chlorophenol	0.0	100	76	79	76	79	4
Phenol	0.0	100	71	74	71	74	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

RANGE 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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8781

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.73	0.69	73	69	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

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 : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8781

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	45	41	90	82	9

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 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of _____

24 hr. TAT on Soil TPPH only
REQUIRED TAT: 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) 796-5741

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas C-6 Facility
NUMBER: 1706035.01090010
LOCATION: BEDG 37 Area
ADDRESS: 19503 S. Normandie Ave
Torrance CA
SAMPLED BY: JAM / IV

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TPPH 418.1	Title 22 metals	VOCs (8260)	SVOCs (8270)	PCBs (8080)	Pesticides (8080)			REMARKS/PRECAUTIONS
B37-RE4-SP34	2	3/31/97	0840	Soil	2" x 6" SS Sleeve	ICE	X	X	X	X					
B37-RE4-SP35			1050				X	X	X	X					
B37-GS-112-5.5'			1125				X	X							
B37-GS-113-5.5'			1135				X	X							
B37-GS-114-5.5'			1140				X	X							
B37-GS-115-5.5'			1145				X	X							
B37-GS-116-8'			1155				X	X							
B37-RE4-SP36			1350				X	X	X	X					
Equipment Blank	7	3/31/97	1615	Water	40 ml VOA Vials	Preserved	X	X	X	X	X	X			
Rinsate Blank	7		1620				X	X	X	X	X	X			
Trip Blank	2		—		2 vials	HCl			X						

Total No. of Samples: 11

Method of Shipment: Courier (Orange Coast Analytical)

Relinquished By:	Date/Time:	Received By:	Date/Time:
John Mann	3/31/97 16:45		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Joyce Harlan	Date/Time: 03-31-97 4:45 P.M.

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 ...al. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0148820

FAX

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6508
Fax: 818 796 5941

Date: 4/2/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please run the following samples for VOCs (8260) and SVOCs (8270) on standard turn-around time:

B37-GS-113-5.5'
B37-GS-115-5.5'

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.

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6508
Fax: 818 796 5941

Date: 4/2/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please run the following samples for VOCs (8260) and SVOCs (8270) on standard turn-around time:

- B37-GS-112-5.5'
- B37-GS-114-5.5'
- B37-GS-116-8'

and B37-GS-117-5' through B37-GS-131-9'

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.

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sampled : 04-17-97
Sample Description: Soil, B37-RE4-SP34A *Received:* 04-17-97
Laboratory Sample #: 97040817 *Analyzed:* 04-18-97
Laboratory Reference #: MWI 8924 *Reported:* 04-18-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
zo(a)pyrene	50-32-8	250	N.D.
zyl 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	120 <---
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 ether	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.
6-Dinitro-2-methylphenol	534-52-1	100	N.D.
-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, B37-RE4-SP34A
Laboratory Sample #: 97040817

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sampled : 04-17-97
Sample Description: Soil, B37-RE4-SP34B *Received:* 04-17-97
Laboratory Sample #: 97040818 *Analyzed:* 04-18-97
Laboratory Reference #: MWI 8924 *Reported:* 04-18-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	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.	
..o(a)pyrene	50-32-8	250	N.D.	
..zyl 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 ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	110	<---
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.	
..6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
.. Dinitrophenol	51-28-5	100	N.D.	

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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

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

Sample Description: Soil, B37-RE4-SP34B
Laboratory Sample #: 97040818

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
Fluoranthene	206-44-0	100	160 <---
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	120 <---
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.
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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34C
Laboratory Sample #: 97040819
Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-18-97
Reported: 04-18-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
enzo(g,h,i)perylene	191-24-2	250	N.D.
zo(a)pyrene	50-32-8	250	N.D.
zyl 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 ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	130 <---
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.
6-Dinitro-2-methylphenol	534-52-1	100	N.D.
-Dinitrophenol	51-28-5	100	N.D.

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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

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

Sample Description: Soil, B37-RE4-SP34C
Laboratory Sample #: 97040819

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
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	160	<---
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.
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

ıtgomery Watson
ıN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34D
Laboratory Sample #: 97040820
Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-18-97
Reported: 04-18-97

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.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	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.
zo(a)pyrene	50-32-8	250	N.D.
ızyl 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 ether	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.
6-Dinitro-2-methylphenol	534-52-1	100	N.D.
-Dinitrophenol	51-28-5	100	N.D.

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

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

Sample Description: Soil, B37-RE4-SP34D
Laboratory Sample #: 97040820

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
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.
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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP34E
Laboratory Sample #: 97040821
Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-18-97
Reported: 04-18-97

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.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	290	<---
Benzo(b)fluoranthene	205-99-2	250	340	<---
Benzo(k)fluoranthene	207-08-9	250	N.D.	
Benzo(g,h,i)perylene	191-24-2	250	N.D.	
...o(a)pyrene	50-32-8	250	300	<---
...zyl 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 ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	320	<---
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.	
...-Dinitro-2-methylphenol	534-52-1	100	N.D.	
Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, B37-RE4-SP34E
Laboratory Sample #: 97040821

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
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.	
Fluoranthene	206-44-0	100	540	<---
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	150	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	440	<---
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.
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

Sample Description: Water

Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-28-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97040822	Equip Blank	N.D.
97040823	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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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, Equip Blank

Laboratory Sample Number: 97040822
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-28-97

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

'ontgomery 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: 97040823
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-28-97

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.
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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: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97040822
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-28-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97040822

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*109*
Toluene-d8	*101*
4-Bromofluorobenzene	*108*

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: 97040823
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-28-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	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
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040823

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*107*
Toluene-d8	*100*
4-Bromofluorobenzene	*109*

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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: 97040824
Laboratory Reference #: MWI 8924

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-24-97
Reported: 04-28-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/l)	SAMPLE RESULT (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	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	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.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	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

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97040824

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	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-2-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	*113*
Toluene-d8	*98*
4-Bromofluorobenzene	*106*

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: Water, Equip Blank
Laboratory Sample #: 97040822
Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	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 ether	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.
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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97040822

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.
Methylphenol	106-44-5	5.0	N.D.
hthalene	91-20-3	50	N.D.
2 Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	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

: 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: Water, Rinsate Blank
Laboratory Sample #: 97040823
Laboratory Reference #: MWI 8924

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-23-97
Reported: 04-28-97

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.
Benzidine	92-87-5	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 ether	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.

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

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: *97 - 02 - 216*

Approved for release by:

Joel Grice, Laboratory Manager — *Date:* 3/11/97

Michael J. Crisostomo, Project Manager — *Date:* 3-7-97

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

CASE NARRATIVE

SPL Workorder Number: 9702216

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 27, 1997, three (3) soil samples were received by the laboratory courier in a cooler for sample transport. This sample delivery group was further checked by the sample receiving custodian on February 28, 1997. The samples were received intact and within the 2°C - 6°C preservation temperature range.

The samples were analyzed as requested on the accompanying chain of custody record.

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, cobalt, lead, nickel, selenium, 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.

Note that the semi-volatile organics analyses were performed at SPL's Houston laboratory, under Houston workorder number 9703006. The result for the internal standard, Chrysene-d12, was outside the QC control limits for sample B37-A14-4ft. due to matrix interference. This sample was arbitrarily chosen for MS/MSD analyses; the internal standard Chrysene-d12 was likewise outside the QC control limits for these analyses.

If you have any questions regarding information presented in this report please call me at (714) 447-6868. Please refer to workorder 9702216 to expedite service.

Michael J. Crisostomo
Project Manager

Certificate of Analysis No. 9702216

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: 3/7/97
Date(s) Received: 2/27/97
Date(s) Sampled: 2/27/97
Date(s) Analyzed: 2/28/97
Project Number: 120603501090010
Matrix: SOIL

Units: mg/Kg

Sample ID	Petroleum Extractables
B37-A11-4ft.	3100
B37-A13-4ft.	93
B37-A14-4ft.	4300

Results reported at Practical Quantitation Limit 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

Certificate of Analysis No. 9702216

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

Report Date: 3/7/97
Date(s) Received: 2/27/97
Date(s) Sampled: 2/27/97
Date(s) Analyzed: 3/6/97,3/5/97,3/4/97,3/
Project Number: 12060350109001
Matrix: SOIL

Analyte	Units	EPA Method	B37-A11-4ft.	B37-A13-4ft.	B37-A14-4ft.
Antimony, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500
Arsenic, Total	mg/Kg	6010A***	1.94	ND<0.11	ND<0.11
Barium, Total	mg/Kg	6010A***	107	128	118
Beryllium, Total	mg/Kg	6010A***	ND<0.06	ND<0.06	ND<0.06
Cadmium, Total	mg/Kg	6010A***	0.31	0.56	10.3
Chromium, Total	mg/Kg	6010A***	14.7	24.2	73.2
Cobalt, Total	mg/Kg	6010A***	10.4	10.8	9.92
Copper, Total	mg/Kg	6010A***	16.3	21.7	48.2
Digestion-Solids 3050A	N/A	3050A***	03/04/97	03/04/97	03/04/97
Lead, Total	mg/Kg	6010A***	6.73	10.8	34.0
Mercury Digestion in Soil	N/A	7471A***	03/04/97	03/04/97	03/04/97
Mercury, Total	mg/Kg	7471A***	ND<0.200	ND<0.200	ND<0.200
Molybdenum,Total	mg/Kg	6010A***	ND<2.50	ND<2.50	ND<2.50
Nickel, Total	mg/Kg	6010A ***	12.1	14.9	14.7
Selenium, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00
Silver, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00
Thallium, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500
Ultrasonic Extraction 3550A	N/A	3550A	03/02/97	03/02/97	03/02/97
Vanadium, Total	mg/Kg	6010A***	32.3	41.2	36.2
Zinc, Total	mg/Kg	6010A***	45.2	67.8	156

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.

SPL California License Number 2178

Certificate of Analysis No. 9702216

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

Report Date: 3/7/97
Date(s) Received: 2/27/97
Date(s) Sampled: 2/27/97
Date(s) Analyzed: 3/4/97,3/3/97
Project Number: 120603501090010
Matrix: SOIL

Method: 8260 Soil, Volatile Organics

Units: UG/KG

Analyte	B37-A11-4ft.	B37-A13-4ft.	B37-A14-4ft.
Dichlorodifluoromethane	ND<5	ND<5	ND<5
Chloromethane	ND<5	ND<5	ND<5
Vinyl chloride	ND<5	ND<5	ND<5
Bromomethane	ND<5	ND<5	ND<5
Chloroethane	ND<5	ND<5	ND<5
Trichlorofluoromethane	ND<5	ND<5	ND<5
1,1-Dichloroethene	ND<5	ND<5	ND<5
Methylene chloride	ND<5	ND<5	ND<5
trans-1,2-Dichloroethene	ND<5	ND<5	ND<5
1,1-Dichloroethane	ND<5	ND<5	ND<5
2,2-Dichloropropane	ND<5	ND<5	ND<5
cis-1,2-Dichloroethene	ND<5	ND<5	ND<5
Chloroform	ND<5	ND<5	ND<5
Bromochloromethane	ND<5	ND<5	ND<5
1,1,1-Trichloroethane	ND<5	ND<5	ND<5
1,1-Dichloropropene	ND<5	ND<5	ND<5
Carbon tetrachloride	ND<5	ND<5	ND<5
1,2-Dichloroethane	ND<5	ND<5	ND<5
Benzene	ND<5	ND<5	ND<5
Trichloroethene	ND<5	ND<5	ND<5
1,2-Dichloropropane	ND<5	ND<5	ND<5
Bromodichloromethane	ND<5	ND<5	ND<5
Dibromomethane	ND<5	ND<5	ND<5
cis-1,3-Dichloropropene	ND<5	ND<5	ND<5
Toluene	ND<5	ND<5	ND<5
trans-1,3-Dichloropropene	ND<5	ND<5	ND<5
1,1,2-Trichloroethane	ND<5	ND<5	ND<5
1,2-Dibromoethane	ND<5	ND<5	ND<5
1,3-Dichloropropane	ND<5	ND<5	ND<5
Tetrachloroethene	ND<5	ND<5	ND<5
Dibromochloromethane	ND<5	ND<5	ND<5
Chlorobenzene	ND<5	ND<5	ND<5
1,1,1,2-Tetrachloroethane	ND<5	ND<5	ND<5
Ethylbenzene	ND<5	ND<5	ND<5
m,p-Xylene	ND<5	ND<5	ND<5
o-Xylene	ND<5	ND<5	ND<5
Styrene	ND<5	ND<5	ND<5
Bromoform	ND<5	ND<5	ND<5

Certificate of Analysis No. 9702216

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

Report Date: 3/7/97
Date(s) Received: 2/27/97
Date(s) Sampled: 2/27/97
Date(s) Analyzed: 3/4/97,3/3/97
Project Number: 120603501090010
Matrix: SOIL

Method: 8260 Soil, Volatile Organics

Units: UG/KG

Analyte	B37-A11-4ft.	B37-A13-4ft.	B37-A14-4ft.
Isopropylbenzene	ND<5	ND<5	ND<5
1,1,2,2-Tetrachloroethane	ND<5	ND<5	ND<5
1,2,3-Trichloropropane	ND<5	ND<5	ND<5
n-Propylbenzene	ND<5	ND<5	ND<5
Bromobenzene	ND<5	ND<5	ND<5
1,3,5-Trimethylbenzene	ND<5	ND<5	ND<5
2-Chlorotoluene	ND<5	ND<5	ND<5
4-Chlorotoluene	ND<5	ND<5	ND<5
tert-Butylbenzene	ND<5	ND<5	ND<5
1,2,4-Trimethylbenzene	ND<5	ND<5	ND<5
sec-Butylbenzene	ND<5	ND<5	ND<5
p-Isopropyltoluene	ND<5	ND<5	ND<5
1,3-Dichlorobenzene	ND<5	ND<5	ND<5
1,4-Dichlorobenzene	ND<5	ND<5	ND<5
n-Butylbenzene	ND<5	ND<5	ND<5
1,2-Dichlorobenzene	ND<5	ND<5	ND<5
1,2-Dibromo-3-chloroprop	ND<5	ND<5	ND<5
1,2,4-Trichlorobenzene	ND<5	ND<5	ND<5
Hexachlorobutadiene	ND<5	ND<5	ND<5
Naphthalene	ND<5	ND<5	ND<5
1,2,3-Trichlorobenzene	ND<5	ND<5	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.

SPL California License Number 2178.

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

Certificate of Analysis No. 9702216

Client:	Montgomery Watson	**Report Date:**	3/7/97
Client Address:	250 N. Madison Avenue Pasadena, CA 91101	**Date(s) Received:**	2/27/97
		Date(s) Sampled:	2/27/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/3/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	B37-A11-4ft.	B37-A13-4ft.	B37-A14-4ft.
Acenaphthene	ND<330	ND<330	ND<660
Acenaphthylene	ND<330	ND<330	ND<660
Aniline	ND<330	ND<330	ND<660
Anthracene	ND<330	ND<330	ND<660
Benzo (a) Anthracene	ND<330	1500	ND<660
Benzo (b) Fluoranthene	ND<330	1900	ND<660
Benzo (k) Fluoranthene	ND<330	1000	ND<660
Benzo (a) Pyrene	ND<330	1800	ND<660
Benzoic Acid	ND<1600	ND<1600	ND<3200
Benzo (g,h,i) Perylene	ND<330	1800	ND<660
Benzyl alcohol	ND<330	ND<330	ND<660
4-Bromophenylphenyl ether	ND<330	ND<330	ND<660
Butylbenzylphthalate	ND<330	ND<330	ND<660
di-n-Butyl phthalate	ND<330	ND<330	ND<660
Carbazole	ND<330	ND<330	ND<660
4-Chloroaniline	ND<330	ND<330	ND<660
bis (2-Chloroethoxy) Methane	ND<330	ND<330	ND<660
bis (2-Chloroethyl) Ether	ND<330	ND<330	ND<660
bis (2-Chloroisopropyl) Ether	ND<330	ND<330	ND<660
4-Chloro-3-Methylphenol	ND<330	ND<330	ND<660
2-Chloronaphthalene	ND<330	ND<330	ND<660
2-Chlorophenol	ND<330	ND<330	ND<660
4-Chlorophenylphenyl ether	ND<330	ND<330	ND<660
Chrysene	ND<330	1800	ND<660
Dibenz (a,h) Anthracene	ND<330	ND<330	ND<660
Dibenzofuran	ND<330	ND<330	ND<660
1,2-Dichlorobenzene	ND<330	ND<330	ND<660
1,3-Dichlorobenzene	ND<330	ND<330	ND<660
1,4-Dichlorobenzene	ND<330	ND<330	ND<660
3,3'-Dichlorobenzidine	ND<330	ND<330	ND<660
2,4-Dichlorophenol	ND<330	ND<330	ND<660
Diethylphthalate	ND<330	ND<330	ND<660
2,4-Dimethylphenol	ND<330	ND<330	ND<660
Dimethyl Phthalate	ND<330	ND<330	ND<660
4,6-Dinitro-2-Methylphenol	ND<800	ND<800	ND<1600
2,4-Dinitrophenol	ND<800	ND<800	ND<1600
2,4-Dinitrotoluene	ND<330	ND<330	ND<660
2,6-Dinitrotoluene	ND<330	ND<330	ND<660
1,2-Diphenylhydrazine	ND<330	ND<330	ND<660
bis (2-Ethylhexyl)Phthalate	ND<330	ND<330	ND<660

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

Certificate of Analysis No. 9702216

Client:	Montgomery Watson	**Report Date:**	3/7/97
Client Address:	250 N. Madison Avenue Pasadena, CA 91101	**Date(s) Received:**	2/27/97
		Date(s) Sampled:	2/27/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/3/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	B37-A11-4ft.	B37-A13-4ft.	B37-A14-4ft.
Fluoranthene	ND<330	2000	ND<660
Fluorene	ND<330	ND<330	ND<660
Hexachlorobenzene	ND<330	ND<330	ND<660
Hexachlorobutadiene	ND<330	ND<330	ND<660
Hexachloroethane	ND<330	ND<330	ND<660
Hexachlorocyclopentadiene	ND<330	ND<330	ND<660
Indeno(1,2,3-cd)Pyrene	ND<330	1500	ND<660
Isophorone	ND<330	ND<330	ND<660
2-Methylnaphthalene	ND<330	ND<330	ND<660
2-Methylphenol	ND<330	ND<330	ND<660
4-Methylphenol	ND<330	ND<330	ND<660
Napthalene	ND<330	ND<330	ND<660
2-Nitroaniline	ND<800	ND<800	ND<1600
3-Nitroaniline	ND<800	ND<800	ND<1600
4-Nitroaniline	ND<800	ND<800	ND<1600
Nitrobenzene	ND<330	ND<330	ND<660
2-Nitrophenol	ND<330	ND<330	ND<660
4-Nitrophenol	ND<800	ND<800	ND<1600
N-Nitrosodiphenylamine	ND<330	ND<330	ND<660
N-Nitroso-Di-n-Propylamine	ND<330	ND<330	ND<660
Di-n-Octyl Phthalate	ND<330	ND<330	ND<660
Pentachlorophenol	ND<800	ND<800	ND<1600
Phenanthrene	ND<330	540	ND<660
Phenol	ND<330	ND<330	ND<660
Pyrene	ND<330	1300	ND<660
Pyridine	ND<330	ND<330	ND<660
1,2,4-Trichlorobenzene	ND<330	ND<330	ND<660
2,4,5-Trichlorophenol	ND<800	ND<800	ND<1600
2,4,6-Trichlorophenol	ND<330	ND<330	ND<660

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

QUALITY CONTROL

DOCUMENTATION

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

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/03/97
Analyzed on: 02/28/97
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
9702205-01B	ND	ND	500	439	87.8	427	85.4	2.8	20	80 -120

PETHS022897 -9703004

Samples in batch:

9702205-01B 9702205-02B 9702205-03B 9702215-01A
9702215-02A 9702216-01A 9702216-02A 9702216-03A

COMMENTS:

FULLERTON LABORATORY
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** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/03/97
Analyzed on: 02/28/97
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	489	97.8	80 - 120

PETHS022897 -9703004

Samples in batch:

9702205-01B 9702205-02B 9702205-03B 9702215-01A
9702215-02A 9702216-01A 9702216-02A 9702216-03A

COMMENTS:

FULLERTON LABORATORY
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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
·etonitrile	ND	50	NA	70 - 130
·domethane	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

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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

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FULLERTON, CA 92831
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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

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

QUALITY CONTROL INFORMATION

03/04/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702215, 9702216, 9702226, 9702227, 9702228

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Dichlorodifluoromethane	ND	5.0	122	70 - 130
Chloromethane	ND	5.0	122	70 - 130
Vinyl chloride	ND	5.0	110	70 - 130
Bromomethane	ND	5.0	110	70 - 130
Chloroethane	ND	5.0	106	70 - 130
Trichlorofluoromethane	ND	5.0	106	70 - 130
Acrolein	ND	50	90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	NA	70 - 130
Acetone	ND	100	96	70 - 130
1,1-Dichloroethene	ND	5.0	94	70 - 130
:etonitrile	ND	50	NA	70 - 130
domethane	ND	5.0	104	70 - 130
Allyl chloride	ND	50	NA	70 - 130
Methylene chloride	ND	5.0	94	70 - 130
Carbon disulfide	ND	5.0	96	70 - 130
Acrylonitrile	ND	50	110	70 - 130
2-Methoxy-2-methylpropane	ND	5.0	98	70 - 130
trans-1,2-dichloroethene	ND	5.0	96	70 - 130
Vinyl acetate	ND	10	90	70 - 130
1,1-Dichloroethane	ND	5.0	98	70 - 130
2-Butanone	ND	10	92	70 - 130
Propionitrile	ND	50	NA	70 - 130
2,2-Dichloropropane	ND	5.0	92	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	96	70 - 130
Bromochloromethane	ND	5.0	102	70 - 130
1,1,1-Trichloroethane	ND	5.0	94	70 - 130
1,1-Dichloropropene	ND	5.0	100	70 - 130
Carbon tetrachloride	ND	5.0	98	70 - 130
1,2-Dichloroethane	ND	5.0	96	70 - 130
Benzene	ND	5.0	102	70 - 130
Trichloroethene	ND	5.0	100	70 - 130

ND = Not Detected

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1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
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QUALITY CONTROL INFORMATION

03/04/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702215, 9702216, 9702226, 9702227, 9702228

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	96	70 - 130
Dibromomethane	ND	5.0	100	70 - 130
2-Chloroethyl vinyl ether	ND	10	126	70 - 130
4-Methyl-2-pentanone	ND	10	114	70 - 130
cis-1,3-Dichloropropene	ND	5.0	104	70 - 130
Toluene	ND	5.0	106	70 - 130
Ethyl methacrylate	ND	50	NA	70 - 130
trans-1,3-Dichloropropene	ND	5.0	100	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	100	70 - 130
1,3-Dichloropropane	ND	5.0	104	70 - 130
Tetrachloroethene	ND	5.0	108	70 - 130
Dibromochloromethane	ND	5.0	102	70 - 130
Chlorobenzene	ND	5.0	110	70 - 130
1,1,1,2-Tetrachloroethane	ND	5.0	104	70 - 130
Ethylbenzene	ND	5.0	114	70 - 130
m,p-Xylene	ND	5.0	117	70 - 130
o-Xylene	ND	5.0	116	70 - 130
Styrene	ND	5.0	118	70 - 130
Bromoform	ND	5.0	106	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	96	70 - 130
1,2,3-Trichloropropane	ND	5.0	96	70 - 130
n-Propylbenzene	ND	5.0	104	70 - 130

ND = Not Detected

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
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QUALITY CONTROL INFORMATION

03/04/ 97

EPA 8240/8260 Compounds by EPA 8260 Method

9702215, 9702216, 9702226, 9702227, 9702228

Parameter	Laboratory Method Blank (ug/Kg)	Reporting Limits (ug/Kg)	LCS Rec. (%)	Acceptability Range (%)
Bromobenzene	ND	5.0	106	70 - 130
1,3,5-Trimethylbenzene	ND	5.0	112	70 - 130
2-Chlorotoluene	ND	5.0	104	70 - 130
4-Chlorotoluene	ND	5.0	104	70 - 130
tert-Butylbenzene	ND	5.0	104	70 - 130
1,2,4-Trimethylbenzene	ND	5.0	112	70 - 130
sec-Butylbenzene	ND	5.0	104	70 - 130
p-Isopropyltoluene	ND	5.0	106	70 - 130
1,3-Dichlorobenzene	ND	5.0	100	70 - 130
1,4-Dichlorobenzene	ND	5.0	100	70 - 130
n-Butylbenzene	ND	5.0	100	70 - 130
1,2-Dichlorobenzene	ND	5.0	98	70 - 130
1,2-Dibromo-3-chloropropane	ND	5.0	86	70 - 130
1,2,4-Trichlorobenzene	ND	5.0	82	70 - 130
Hexachlorobutadiene	ND	5.0	88	70 - 130
Naphthalene	ND	5.0	90	70 - 130
1,2,3-Trichlorobenzene	ND	5.0	90	70 - 130
DBFM Surrogate Rec. (%)	90	----	94	60 - 140
Toluene-d8 Surrogate Rec. (%)	101	----	101	60 - 140
BFB Surrogate Rec. (%)	82	----	119	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

03/04/97

EPA 8240/8260 Compounds by EPA 8260 Method

9702215, 9702216, 9702226, 9702227, 9702228

Sample Spiked: 9702215-01A

Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	RPD Range (%)
1,1-Dichloroethene	103	99	4.0	70 - 130	30
Benzene	101	101	0.0	70 - 130	30
Trichloroethene	97	98	1.0	70 - 130	30
Toluene	96	96	0.0	70 - 130	30
Chlorobenzene	95	95	0.0	70 - 130	30
DBFM Surrogate Rec. (%)	94	95	---	60 - 140	---
Toluene-d8 Surrogate Rec. (%)	98	100	---	60 - 140	---
BFB Surrogate Rec. (%)	119	123	---	60 - 140	---

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

QUALITY CONTROL INFORMATION
METALS

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

MS/MSD Results

Date: 3/6/97
Sample ID: 9702226-14

Matrix: Soil
Includes: 9702215-1-2; 9702216-1-3; 9702227-1; 9702226-7-8, 11-13; 9702228-1; 9703017-1-3

Parameter	LMB	LCS Rec. (%)	Acceptability Range (%)	MS Rec. (%)		MSD Rec. (%)		Acceptability Range (%)	RPD	RPD Range (%)
Antimony, Sb	ND	103	84-117	56.1	*	57.1	*	80-120	1.8	20
Arsenic, As	ND	106	85-117	73.3	*	74.2	*	80-120	1.2	20
Barium, Ba	ND	103	62-136	77.8	*	76.2	*	80-120	2.0	20
Beryllium, Be	ND	102	85-111	85.4		84.9		80-120	0.5	20
Cadmium, Cd	ND	100	86-112	86.1		85.9		80-120	0.2	20
Chromium, Cr	ND	102	83-110	82.8		81.8		80-120	1.1	20
Cobalt, Co	ND	101	85-112	79.0	*	78.6	*	80-120	0.5	20
Copper, Cu	ND	102	84-111	88.2		86.6		80-120	1.9	20
Lead, Pb	ND	102	85-110	77.6	*	77.5	*	80-120	0.2	20
Molybdenum, Mo	ND	99.0	83-110	81.4		81.2		80-120	0.2	20
Nickel, Ni	ND	102	86-110	80.1		79.2	*	80-120	1.1	20
Selenium, Se	ND	102	84-111	74.9	*	73.9	*	80-120	1.3	20
Silver, Ag	ND	105	80-125	69.5	*	69.4	*	80-120	0.2	20
Thallium, Tl	ND	100	83-109	72.8	*	73.4	*	80-120	0.9	20
Vanadium, V	ND	101	84-109	86.5		84.6		80-120	2.2	20
Zinc, Zn	ND	106	88-117	88.9		86.8		80-120	2.3	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

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

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/07/97
Analyzed on: 03/05/97
Analyst: GQ

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:

Mercury, Total
METHOD 7471A***

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
9702226-14A	ND	ND	.0010	.00104	104	.00102	102	1.9	20	80 -120

HGS030597 -9703020

Samples in batch:

9702205-01B	9702205-02B	9702205-03B	9702215-01A
9702215-02A	9702216-01A	9702216-02A	9702216-03A
9702226-07A	9702226-08A	9702226-11A	9702226-14A
9702227-01A	9702228-01A	9703017-01A	9703017-02A
9703017-03A	9703017-04A		

COMMENTS:

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

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/07/97
Analyzed on: 03/05/97
Analyst: GQ

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:

Mercury, Total
METHOD 7471A***

SPL Sample ID Number	Blank Value mg/Kg	LCS Concentration mg/Kg	Measured Concentration mg/Kg	% Recovery	QC Limits Recovery
LCS	ND	.0010	.0010	100	80 - 120

HGS030597 -9703020

ıples in batch:

9702205-01B	9702205-02B	9702205-03B	9702215-01A
9702215-02A	9702216-01A	9702216-02A	9702216-03A
9702226-07A	9702226-08A	9702226-11A	9702226-14A
9702227-01A	9702228-01A	9703017-01A	9703017-02A
9703017-03A	9703017-04A		

COMMENTS:

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/03/97
Analyzed on: 03/03/97
Analyst: PT

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.
9703006-01A	84	84	0	20

-9703043

Samples in batch:

9702833-05A 9702833-06A 9702833-07A 9702833-08A
9702833-09A 9702833-10A 9702833-15A 9702833-16A
9702A38-01D 9703006-01A

COMMENTS:

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/03/97
Analyzed on: 03/03/97
Analyst: PT

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.
9702D13-01A	77	77	0	20

-9703042

amples in batch:

9702833-01A	9702833-02A	9702833-03A	9702833-04A
9702D13-01A	9702D14-01A	9702D15-01B	9702D16-01B
9703006-02A	9703006-03A		

COMMENTS:

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970302044703

Reported on: 03/04/97 14:35
Analyzed on: 03/03/97 17:56
Analyst: LH

METHOD 8270 BLANK H061B02

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: E970302044703

Reported on: 03/04/97 14:35
Analyzed on: 03/03/97 17:56
Analyst: LH

METHOD 8270 BLANK H061B02

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: E970302044703

Reported on: 03/04/97 14:35
Analyzed on: 03/03/97 17:56
Analyst: LH

METHOD 8270 BLANK H061B02

Compound	Result	Detection Limit	Units
Benzo[g,h,i]perylene	ND	330	ug/Kg

Surrogate	Result	QC Criteria	Units
Nitrobenzene-d5	104	23-120	% Recovery
2-Fluorobiphenyl	94	30-115	% Recovery
Terphenyl-d14	91	18-137	% Recovery
Phenol-d5	79	24-113	% Recovery
2-Fluorophenol	70	25-121	% Recovery
2,4,6-Tribromophenol	101	19-122	% Recovery

Samples in Batch 9703006-01 9703006-02 9703006-03

Notes

ND - Not detected.

SPL Houston Labs

Data file : /chem1/h.i/h970303.b/h061tl2.d
Lab Smp Id: LCS
Inj Date : 03-MAR-1997 17:27
Operator : LH Inst ID: h.i
Smp Info : METHSPIKE-8270S/1X
Misc Info : E061S1/H061B02/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: 7 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	4.542	4.541	(1.000)	341366	40	
* 32 Naphthalene-d8	136.00	6.337	6.336	(1.000)	1114601	40	
* 48 Acenaphthene-d10	164.00	9.068	9.068	(1.000)	583308	40	
* 65 Phenanthrene-d10	188.00	11.394	11.393	(1.000)	923250	40	
* 76 Chrysene-d12	240.00	15.627	15.626	(1.000)	644194	40	
* 83 Perylene-d12	264.00	17.771	17.782	(1.000)	671031	40	
$ 23 Nitrobenzene-d5	82.00	5.366	5.388	(0.847)	847702	86	1400
$ 41 2-Fluorobiphenyl	172.00	8.041	8.041	(0.887)	1469808	75	1200
$ 72 Terphenyl-d14	244.00	13.979	13.978	(0.895)	1260864	73	1200
$ 3 2-Fluorophenol	112.00	3.165	3.255	(0.697)	1152460	100	1700
$ 4 Phenol-d5	99.00	4.282	4.338	(0.943)	1169210	98	1600
$ 61 2,4,6-Tribromophenol	329.70	10.367	10.388	(0.910)	445589	160	2600
5 Phenol	94.00	4.294	4.372	(0.945)	1348064	91	1500
9 2-Chlorophenol	128.00	4.361	4.417	(0.960)	1079827	95	1600
12 1,4-Dichlorobenzene	146.00	4.565	4.564	(1.005)	834413	66	1100
21 N-Nitroso-di-n-propylamine	70.00	5.185	5.196	(1.142)	496703	75	1200
31 1,2,4-Trichlorobenzene	180.00	6.292	6.291	(0.993)	700324	82	1400
36 4-Chloro-3-methylphenol	107.00	7.398	7.476	(1.167)	890973	120	1900
49 Acenaphthene	153.00	9.114	9.124	(1.005)	1142636	70	1200
51 4-Nitrophenol	109.00	9.667	9.926	(1.066)	188991	96	1600
53 2,4-Dinitrotoluene	165.00	9.543	9.576	(1.052)	467432	79	1300
64 Pentachlorophenol	265.50	11.270	11.314	(0.989)	354404	110	1800
71 Pyrene	202.00	13.674	13.684	(0.875)	1341425	46	760

Data File: /chem1/h.i/h970303.b/h061tl2.d
Report Date: 04-Mar-1997 08:52

SPL Houston Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: h.i
Lab File ID: h061tl2.d
Lab Smp Id: LCS
Analysis Type: SV
Quant Type: ISTD
Operator: LH
Method File: /chem1/h.i/h970303.b/h8270s.m
Misc Info: E061S1/H061B02/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	341366	66.45
32 Naphthalene-d8	624249	312124	1248498	1114601	78.55
48 Acenaphthene-d10	329143	164572	658286	583308	77.22
65 Phenanthrene-d10	530319	265160	1060638	923250	74.09
76 Chrysene-d12	419980	209990	839960	644194	53.39
83 Perylene-d12	423952	211976	847904	671031	58.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	% DIFI
11 1,4-Dichlorobenzene-	4.53	4.03	5.03	4.54	0.22
32 Naphthalene-d8	6.34	5.84	6.84	6.34	-0.02
48 Acenaphthene-d10	9.07	8.57	9.57	9.07	-0.02
65 Phenanthrene-d10	11.40	10.90	11.90	11.39	-0.01
76 Chrysene-d12	15.63	15.13	16.13	15.63	-0.01
83 Perylene-d12	17.77	17.27	18.27	17.77	-0.01

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.

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPL Contract:

Lab Code: Case No.: 9703006 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 9702216-03B 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	1600	64	12-110
2-Chlorophenol	2500	0	1700	68	27-123
1,4-Dichlorobenzene	1600	0	1100	69	36- 97
N-Nitroso-di-n-prop.(1)	1600	0	1400	88	41-116
1,2,4-Trichlorobenzene	1600	0	1500	94	39- 98
4-Chloro-3-methylphenol	2500	0	2300	92	23- 97
Acenaphthene	1600	0	1300	81	46-118
4-Nitrophenol	2500	0	1800	72	30-150
2,4-Dinitrotoluene	1600	0	1900	119	50-150
Pentachlorophenol	2500	0	1200	48	9-103
Pyrene	1600	150	1400	78	26-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1600	64	0	42	12-110
2-Chlorophenol	2500	1700	68	0	40	27-123
1,4-Dichlorobenzene	1600	1100	69	0	28	36- 97
N-Nitroso-di-n-prop.(1)	1600	1500	94	7	38	41-116
1,2,4-Trichlorobenzene	1600	1500	94	0	28	39- 98
4-Chloro-3-methylphenol	2500	2200	88	4	42	23- 97
Acenaphthene	1600	1100	69	16	31	46-118
4-Nitrophenol	2500	1900	76	5	50	30-150
2,4-Dinitrotoluene	1600	1700	106	12	50	50-150
Pentachlorophenol	2500	1400	56	15	50	9-103
Pyrene	1600	1600	91	15	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

BOE-C6-0148874

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/h.i/h970303.b/h8270sQ.m
Misc Info: E061S1/H061B02/H06IC3

Client SDG: h970303
Fraction: SV

Operator: LH
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
5 Phenol	2500	1500	60.71	12-110
9 2-Chlorophenol	2500	1600	63.58	27-123
12 1,4-Dichlorobenzen	1600	1100	68.37	36-97
21 N-Nitroso-di-n-pro	1600	1200	78.51	41-116
31 1,2,4-Trichloroben	1600	1400	86.01	39-98
36 4-Chloro-3-methylp	2500	1900	76.73	23-97
49 Acenaphthene	1600	1200	72.75	46-118
51 4-Nitrophenol	2500	1600	63.81	30-150
53 2,4-Dinitrotoluene	1600	1300	82.23	50-150
64 Pentachlorophenol	2500	1800	72.59	9-103
71 Pyrene	1600	760	47.75	26-127

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 23 Nitrobenzene-d5	1600	1400	89.41	23-120
$ 41 2-Fluorobiphenyl	1600	1200	77.92	30-115
$ 72 Terphenyl-d14	1600	1200	75.80	18-137
$ 3 2-Fluorophenol	2500	1700	67.49	25-121
$ 4 Phenol-d5	2500	1600	65.58	24-113
$ 61 2,4,6-Tribromophen	2500	2600	104.41	19-122

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

9703006

8880 Interchange Drive, Houston, Texas 77054 713/660-0901

INTEROFFICE SAMPLE TRANSFER
CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

ORIGINATING LAB: Fullerton RECEIVING LAB: Houston DATE: 2/28/97

ATTENTION: Brent Barron REPORT RESULTS TO: Mike Cissostomo

REPORT RESULTS BY: [X] VERBAL [ ] WRITTEN [ ] ~~FAX~~ EDT

CLIENT NAME: Montgomery Watson PROJECT #: 9702216 DATE NEEDED: 3/5/97

HEADING FOR ANALYSIS:	INVOICE TO:
COMPANY: Montgomery Watson	COMPANY: SPL-Fullerton
ADDRESS: 250 N. Madison Avenue	ADDRESS:
Pasadena, CA 91101	
ATTN: Nancy Matsumoto	ATTN: Mike C.

SAMPLE NO. IDENTIFICATION	DATE/TIME COLLECTED	LAB SAMPLE NUMBER	SAMPLE MATRIX	ANALYSES REQUESTED	QUOTED PRICE
	2/27/97 1700	9702216-01B	Soil	8270S/PRPGHS	$205.00
	1705	9702216-02B			
	1710	9702216-03B			
					Intact

Box 3

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
1. [signature]	2/28/97	9:14	Ruben Estrada	3/1/97	1000
2.					

NOTES: FED EX # 392 5303 566

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9702216

C- 02511

page 1 of 1

Client Name: MW

Address/Phone: 250 N. Madison Ave.

Client Contact: Fred Strauss

Project Name: MDRC C-6 Facility

Project Number: 1206035.01090010

Project Location: BLDG 37 Area

Invoice To: Fred Strauss

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:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TRPH (418.1)	Title 22 Metals	VOCs (8260)	SVOCs (8270)					
B37-A11-4'	2-27-97	1700		X	S	6"x2" SS sleeve	~120g	ICE	2	X	X	X	X					
B37-A13-4'	↓	1705		X	↓	↓	↓	↓	↓	↓	↓	↓	↓					
B37-A14-4'	↓	1710		X	↓	↓	↓	↓	↓	↓	↓	↓	↓					

Client/Consultant Remarks:

Laboratory remarks: * Standard TAT per Nancy Matsumoto. 2/28/97, 0930 hrs

Intact? ☐ Y ☐ N

Temp:

Requested TAT

24hr ☒ 72hr ☐

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):

1. Relinquished by Sampler: Joshua Mann	date 2-27-97	time 1720	2. Received by: 2/28/97
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 888 [illegible]terchange Drive, Houston, TX 77054 (713) 660-0901

☐ 45[illegible] [illegible]ughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (3[illegible] 237-4775

☒ 1511 E. Orangethorpe Avenue, Fullerton, CA 92631) 447-6868

BOE-C6-0148878

SPL Fullerton Environmental Laboratory
Sample Receiving Checklist

SPL Workorder Number: 9702216

Date: 2/28/97 Time: 9:05

	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	G. Molano
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

SPL Houston Environmental Laboratory

Sample Login Checklist

Date:	Time:
~~3/8~~ 3/1/97	1100

SPL Sample ID:

9703006

			Yes	No
1	Chain-of-Custody (COC) form is present.		✓	
2	COC is properly completed.		✓	
3	If no, Non-Conformance Worksheet has been completed.			
4	Custody seals are present on the shipping container.		✓	
5	If yes, custody seals are intact.		✓	
6	All samples are tagged or labeled.		✓	
7	If no, Non-Conformance Worksheet has been completed.			
8	Sample containers arrived intact		✓	
9	Temperature of samples upon arrival:		3 C	
10	Method of sample delivery to SPL:	SPL Delivery		
		Client Delivery		
		FedEx Delivery (airbill #)	3925303566	
		Other:		
11	Method of sample disposal:	SPL Disposal	✓	
		HOLD		
		Return to Client		

Name:	Date:
Amber Ethel	3/1/97