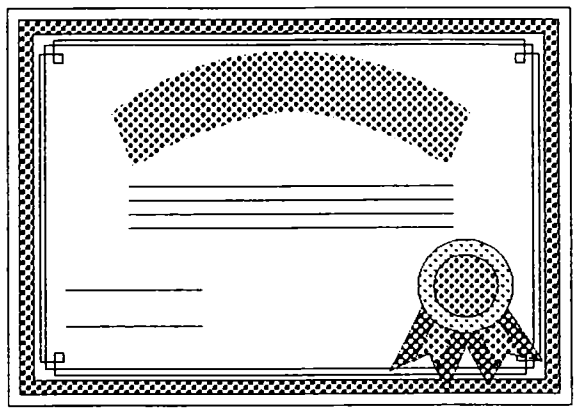
#39

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.

#80

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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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-36-13-2.0
Laboratory Sample Number: 97041391
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-06-97
Reported: 05-13-97

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	3.6	<---
1,1,1-Trichloroethane	71-55-6	2.5	23	<---
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, 2BB-36-13-2.0

Laboratory Sample Number: 97041391

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	*114*
Toluene-d8	*97*
4-Bromofluorobenbzene	*113*

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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-36-13-5.0
Laboratory Sample Number: 97041392
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-06-97
Reported: 05-13-97

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	3.0	<---
1,1,1-Trichloroethane	71-55-6	2.5	250	<---
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	7.6	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	2.9	<---
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, 2BB-36-13-5.0

Laboratory Sample Number: 97041392

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	*116*
Toluene-d8	*98*
4-Bromofluorobenbzene	*116*

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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-36-13-9.0
Laboratory Sample Number: 97041393
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-06-97
Reported: 05-13-97

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	17	<---
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	32	<---
1,1,1-Trichloroethane	71-55-6	2.5	280	<---
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	18	<---
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	22	<---
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, 2BB-36-13-9.0

Laboratory Sample Number: 97041393

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	*113*
Toluene-d8	*98*
4-Bromofluorobenbzene	*111*

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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-36-13-19.0
Laboratory Sample Number: 97041394
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-07-97
Reported: 05-13-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (ug/kg)***	
Benzene	71-43-2	2500	N.D.	
Bromodichloromethane	75-27-4	2500	N.D.	
Bromoform	75-25-2	2500	N.D.	
Bromomethane	74-83-9	2500	N.D.	
Carbon Disulfide	75-15-0	2500	N.D.	
Carbon tetrachloride	56-23-5	2500	N.D.	
Chlorobenzene	108-90-7	2500	N.D.	
Chlorodibromomethane	124-48-1	2500	N.D.	
Chloroethane	75-00-3	2500	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5000	N.D.	
Chloroform	67-66-3	2500	N.D.	
Chloromethane	74-87-3	2500	N.D.	
1,1-Dichloroethane	75-35-3	2500	N.D.	
1,2-Dichloroethane	107-06-2	2500	N.D.	
1,1-Dichloroethene	75-35-4	2500	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2500	N.D.	
1,2-Dichloropropane	78-87-5	2500	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2500	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2500	N.D.	
Ethylbenzene	100-41-4	2500	220,000	<---
Methylene chloride	75-09-2	5000	N.D.	
Styrene	100-42-5	2500	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2500	N.D.	
Tetrachloroethene	127-18-4	2500	N.D.	
Toluene	108-88-3	2500	1,000,000	<---
1,1,1-Trichloroethane	71-55-6	2500	25,000	<---
1,1,2-Trichloroethane	79-00-5	2500	N.D.	
Trichloroethene	79-01-6	2500	42,000	<---
Trichlorofluoromethane	75-69-4	5000	N.D.	
Vinyl acetate	108-05-4	5000	N.D.	
Vinyl chloride	75-01-4	2500	N.D.	
Total Xylenes	1330-20-7	2500	1,100,000	<---
Dichlorofluoromethane	75-71-8	2500	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2500	N.D.	
2,2-Dichloropropane	590-20-7	2500	N.D.	
Bromochloromethane	74-97-5	2500	N.D.	
1,1-Dichloropropene	563-58-6	2500	N.D.	
1,2-Dichloropropane	78-87-5	2500	N.D.	
Dibromomethane	74-95-3	2500	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2500	N.D.	
1,1,2-Trichloroethane	79-00-5	2500	N.D.	
1,2-Dibromoethane	106-93-4	2500	N.D.	

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Sample Description: Soil, 2BB-36-13-19.0

Laboratory Sample Number: 97041394

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2500	N.D.
Dibromochloromethane	124-48-1	2500	N.D.
Isopropylbenzene	98-82-8	2500	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2500	N.D.
1,2,3-Trichloropropane	96-18-4	2500	N.D.
Bromobenzene	108-86-1	2500	N.D.
n-Propylbenzene	103-65-1	2500	N.D.
2-Chlorotoluene	95-49-8	2500	N.D.
1,3,5-Trimethylbenzene	108-67-8	2500	N.D.
4-Chlorotoluene	106-43-4	2500	N.D.
tert-Butylbenzene	98-06-6	2500	N.D.
1,2,4-Trimethylbenzene	95-63-6	2500	N.D.
sec-Butylbenzene	135-98-8	2500	N.D.
4-Isopropyltoluene	99-87-6	2500	N.D.
1,3-Dichlorobenzene	541-73-1	2500	N.D.
1,4-Dichlorobenzene	106-46-7	2500	N.D.
n-Butylbenzene	104-51-8	2500	N.D.
1,2-Dichlorobenzene	95-50-1	2500	N.D.
1-2-Dibromo-2-CPA	96-12-8	5000	N.D.
1,2,4-Trichlorobenzene	120-82-1	2500	N.D.
Hexachlorobutadiene	87-68-3	2500	N.D.
Naphthalene	91-20-3	2500	N.D.
1,2,3-Trichlorobenzene	87-61-6	2500	N.D.

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

There was 573,000 ug/kg of 2-Butanone in the sample

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*114*
Toluene-d8	*99*
4-Bromofluorobenbzene	*115*

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-36-13-29.0
Laboratory Sample Number: 97041395
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-07-97
Reported: 05-13-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (ug/kg)***
Benzene	71-43-2	5000	N.D.
Bromodichloromethane	75-27-4	5000	N.D.
Bromoform	75-25-2	5000	N.D.
Bromomethane	74-83-9	5000	N.D.
Carbon Disulfide	75-15-0	10000	N.D.
Carbon tetrachloride	56-23-5	5000	N.D.
Chlorobenzene	108-90-7	5000	N.D.
Chlorodibromomethane	124-48-1	5000	N.D.
Chloroethane	75-00-3	5000	N.D.
2-Chloroethyl vinyl ether	110-75-8	10000	N.D.
Chloroform	67-66-3	5000	N.D.
Chloromethane	74-87-3	5000	N.D.
1,1-Dichloroethane	75-35-3	5000	N.D.
1,2-Dichloroethane	107-06-2	5000	N.D.
1,1-Dichloroethene	75-35-4	5000	N.D.
Trans 1,2-Dichloroethene	156-60-5	5000	N.D.
1,2-Dichloropropane	78-87-5	5000	N.D.
cis-1,3-Dichloropropene	10061-01-5	5000	N.D.
trans-1,3-Dichloropropene	10061-02-6	5000	N.D.
Ethylbenzene	100-41-4	5000	N.D.
Methylene chloride	75-09-2	10000	N.D.
Styrene	100-42-5	5000	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	5000	N.D.
Tetrachloroethene	127-18-4	5000	N.D.
Toluene	108-88-3	5000	N.D.
1,1,1-Trichloroethane	71-55-6	5000	N.D.
1,1,2-Trichloroethane	79-00-5	5000	N.D.
Trichloroethene	79-01-6	5000	N.D.
Trichlorofluoromethane	75-69-4	10000	N.D.
Vinyl acetate	108-05-4	10000	N.D.
Vinyl chloride	75-01-4	5000	N.D.
Total Xylenes	1330-20-7	5000	N.D.
Dichlorofluoromethane	75-71-8	5000	N.D.
cis-1-2,-Dichloroethane	156-59-4	5000	N.D.
2,2-Dichloropropane	590-20-7	5000	N.D.
Bromochloromethane	74-97-5	5000	N.D.
1,1-Dichloropropene	563-58-6	5000	N.D.
1,2-Dichloropropane	78-87-5	5000	N.D.
Dibromomethane	74-95-3	5000	N.D.
trans-1,3-Dichloropropane	10061-02-6	5000	N.D.
1,1,2-Trichloroethane	79-00-5	5000	N.D.
1,2-Dibromoethane	106-93-4	5000	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: Soil, 2BB-36-13-29.0

Laboratory Sample Number: 97041395

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	5000	N.D.
Dibromochloromethane	124-48-1	5000	N.D.
Isopropylbenzene	98-82-8	5000	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	5000	N.D.
1,2,3-Trichloropropane	96-18-4	5000	N.D.
Bromobenzene	108-86-1	5000	N.D.
n-Propylbenzene	103-65-1	5000	N.D.
2-Chlorotoluene	95-49-8	5000	N.D.
1,3,5-Trimethylbenzene	108-67-8	5000	N.D.
4-Chlorotoluene	106-43-4	5000	N.D.
tert-Butylbenzene	98-06-6	5000	N.D.
1,2,4-Trimethylbenzene	95-63-6	5000	N.D.
sec-Butylbenzene	135-98-8	5000	N.D.
4-Isopropyltoluene	99-87-6	5000	N.D.
1,3-Dichlorobenzene	541-73-1	5000	N.D.
1,4-Dichlorobenzene	106-46-7	5000	N.D.
n-Butylbenzene	104-51-8	5000	N.D.
1,2-Dichlorobenzene	95-50-1	5000	N.D.
1-2-Dibromo-2-CPA	96-12-8	10000	N.D.
1,2,4-Trichlorobenzene	120-82-1	5000	N.D.
Hexachlorobutadiene	87-68-3	5000	N.D.
Naphthalene	91-20-3	5000	N.D.
1,2,3-Trichlorobenzene	87-61-6	5000	N.D.

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

There was 1,700,000 ug/kg of 2-Butanone in the sample

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*124**
Toluene-d8	*98*
4-Bromofluorobenbzene	*117*

**Matrix Interference*

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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-36-13-39.0
Laboratory Sample Number: 97041396
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-07-97
Reported: 05-21-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
Benzene	71-43-2	2500	N.D.
Bromodichloromethane	75-27-4	2500	N.D.
Bromoform	75-25-2	2500	N.D.
Bromomethane	74-83-9	2500	N.D.
Carbon Disulfide	75-15-0	2500	N.D.
Carbon tetrachloride	56-23-5	2500	N.D.
Chlorobenzene	108-90-7	2500	N.D.
Chlorodibromomethane	124-48-1	2500	N.D.
Chloroethane	75-00-3	2500	N.D.
2-Chloroethyl vinyl ether	110-75-8	5000	N.D.
Chloroform	67-66-3	2500	N.D.
Chloromethane	74-87-3	2500	N.D.
1,1-Dichloroethane	75-35-3	2500	N.D.
1,2-Dichloroethane	107-06-2	2500	N.D.
1,1-Dichloroethene	75-35-4	2500	N.D.
Trans 1,2-Dichloroethene	156-60-5	2500	N.D.
1,2-Dichloropropane	78-87-5	2500	N.D.
cis-1,3-Dichloropropene	10061-01-5	2500	N.D.
trans-1,3-Dichloropropene	10061-02-6	2500	N.D.
Ethylbenzene	100-41-4	2500	N.D.
Methylene chloride	75-09-2	5000	N.D.
Styrene	100-42-5	2500	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2500	N.D.
Tetrachloroethene	127-18-4	2500	N.D.
Toluene	108-88-3	2500	15,000 <---
1,1,1-Trichloroethane	71-55-6	2500	N.D.
1,1,2-Trichloroethane	79-00-5	2500	N.D.
Trichloroethene	79-01-6	2500	N.D.
Trichlorofluoromethane	75-69-4	5000	N.D.
Vinyl acetate	108-05-4	5000	N.D.
Vinyl chloride	75-01-4	2500	N.D.
Total Xylenes	1330-20-7	2500	N.D.
Dichlorofluoromethane	75-71-8	2500	N.D.
cis-1-2,-Dichloroethane	156-59-4	2500	N.D.
2,2-Dichloropropane	590-20-7	2500	N.D.
Bromochloromethane	74-97-5	2500	N.D.
1,1-Dichloropropene	563-58-6	2500	N.D.
1,2-Dichloropropane	78-87-5	2500	N.D.
Dibromomethane	74-95-3	2500	N.D.
trans-1,3-Dichloropropane	10061-02-6	2500	N.D.
1,1,2-Trichloroethane	79-00-5	2500	N.D.
1,2-Dibromoethane	106-93-4	2500	N.D.

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

Sample Description: Soil, 2BB-36-13-39.0

Laboratory Sample Number: 97041396

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2500	N.D.
Dibromochloromethane	124-48-1	2500	N.D.
Isopropylbenzene	98-82-8	2500	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2500	N.D.
1,2,3-Trichloropropane	96-18-4	2500	N.D.
Bromobenzene	108-86-1	2500	N.D.
n-Propylbenzene	103-65-1	2500	N.D.
2-Chlorotoluene	95-49-8	2500	N.D.
1,3,5-Trimethylbenzene	108-67-8	2500	N.D.
4-Chlorotoluene	106-43-4	2500	N.D.
tert-Butylbenzene	98-06-6	2500	N.D.
1,2,4-Trimethylbenzene	95-63-6	2500	N.D.
sec-Butylbenzene	135-98-8	2500	N.D.
4-Isopropyltoluene	99-87-6	2500	N.D.
1,3-Dichlorobenzene	541-73-1	2500	N.D.
1,4-Dichlorobenzene	106-46-7	2500	N.D.
n-Butylbenzene	104-51-8	2500	N.D.
1,2-Dichlorobenzene	95-50-1	2500	N.D.
1-2-Dibromo-2-CPA	96-12-8	5000	N.D.
1,2,4-Trichlorobenzene	120-82-1	2500	N.D.
Hexachlorobutadiene	87-68-3	2500	N.D.
Naphthalene	91-20-3	2500	N.D.
1,2,3-Trichlorobenzene	87-61-6	2500	N.D.

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

There was 680,000 ug/kg of 2-Butanone in the sample

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*115*
Toluene-d8	*101*
4-Bromofluorobenbzene	*114*

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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: Soil, 2BB-36-13-49.0
Laboratory Sample Number: 97041397
Laboratory Reference #: KJC 8986

Sampled: 04-24-97
Received: 04-28-97
Analyzed: 05-08-97
Reported: 05-13-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (ug/kg)
Benzene	71-43-2	400	N.D.
Bromodichloromethane	75-27-4	400	N.D.
Bromoform	75-25-2	400	N.D.
Bromomethane	74-83-9	400	N.D.
Carbon Disulfide	75-15-0	800	N.D.
Carbon tetrachloride	56-23-5	400	N.D.
Chlorobenzene	108-90-7	400	N.D.
Chlorodibromomethane	124-48-1	400	N.D.
Chloroethane	75-00-3	400	N.D.
2-Chloroethyl vinyl ether	110-75-8	800	N.D.
Chloroform	67-66-3	400	N.D.
Chloromethane	74-87-3	400	N.D.
1,1-Dichloroethane	75-35-3	400	N.D.
1,2-Dichloroethane	107-06-2	400	N.D.
1,1-Dichloroethene	75-35-4	400	N.D.
Trans 1,2-Dichloroethene	156-60-5	400	N.D.
1,2-Dichloropropane	78-87-5	400	N.D.
cis-1,3-Dichloropropene	10061-01-5	400	N.D.
trans-1,3-Dichloropropene	10061-02-6	400	N.D.
Ethylbenzene	100-41-4	400	N.D.
Methylene chloride	75-09-2	800	N.D.
Styrene	100-42-5	400	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	400	N.D.
Tetrachloroethene	127-18-4	400	N.D.
Toluene	108-88-3	400	3,600 <---
1,1,1-Trichloroethane	71-55-6	400	770 <---
1,1,2-Trichloroethane	79-00-5	400	N.D.
Trichloroethene	79-01-6	400	N.D.
Trichlorofluoromethane	75-69-4	800	N.D.
Vinyl acetate	108-05-4	800	N.D.
Vinyl chloride	75-01-4	400	N.D.
Total Xylenes	1330-20-7	400	N.D.
Dichlorofluoromethane	75-71-8	400	N.D.
cis-1-2,-Dichloroethane	156-59-4	400	N.D.
2,2-Dichloropropane	590-20-7	400	N.D.
Bromochloromethane	74-97-5	400	N.D.
1,1-Dichloropropene	563-58-6	400	N.D.
1,2-Dichloropropane	78-87-5	400	N.D.
Dibromomethane	74-95-3	400	N.D.
trans-1,3-Dichloropropane	10061-02-6	400	N.D.
1,1,2-Trichloroethane	79-00-5	400	N.D.
1,2-Dibromoethane	106-93-4	400	N.D.

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

Sample Description: Soil, 2BB-36-13-49.0

Laboratory Sample Number: 97041397

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	400	N.D.
Dibromochloromethane	124-48-1	400	N.D.
Isopropylbenzene	98-82-8	400	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	400	N.D.
1,2,3-Trichloropropane	96-18-4	400	N.D.
Bromobenzene	108-86-1	400	N.D.
n-Propylbenzene	103-65-1	400	N.D.
2-Chlorotoluene	95-49-8	400	N.D.
1,3,5-Trimethylbenzene	108-67-8	400	N.D.
4-Chlorotoluene	106-43-4	400	N.D.
tert-Butylbenzene	98-06-6	400	N.D.
1,2,4-Trimethylbenzene	95-63-6	400	N.D.
sec-Butylbenzene	135-98-8	400	N.D.
4-Isopropyltoluene	99-87-6	400	N.D.
1,3-Dichlorobenzene	541-73-1	400	N.D.
1,4-Dichlorobenzene	106-46-7	400	N.D.
n-Butylbenzene	104-51-8	400	N.D.
1,2-Dichlorobenzene	95-50-1	400	N.D.
1-2-Dibromo-2-CPA	96-12-8	800	N.D.
1,2,4-Trichlorobenzene	120-82-1	400	N.D.
Hexachlorobutadiene	87-68-3	400	N.D.
Naphthalene	91-20-3	400	N.D.
1,2,3-Trichlorobenzene	87-61-6	400	N.D.

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

There was 57,000 ug/kg of 2-Butanone in the sample

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*120*
Toluene-d8	*100*
4-Bromofluorobenbzene	*113*

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 : 05/07/97
Laboratory Sample No : OCA 200
Laboratory Reference No : KJC 8986

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	44	44	88	88	0
1,1-Dichloroethene	0.0	50	36	35	72	70	3
Trichloroethene	0.0	50	50	52	100	104	4
Toluene	0.0	50	48	47	96	94	2
Chlorobenzene	0.0	50	45	44	90	88	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

Analysis Request ar[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Tustin, 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 _____

REQUIRED TAT: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	KENNEDY JENKS	PROJECT NAME:	DOUGLAS AIRCRAFT
SEND REPORT TO:	RUS PURCELL	NUMBER:	974002.00
ADDRESS:	2151 MICHELSON # 100	LOCATION:	TORRANCE C-6 FACILTY
	IRVINE, CA 92612	ADDRESS:	
PHONE:	714 261 1577 FAX:	SAMPLED BY:	M. BALDERMAN

ANALYSIS/METHOD REQUEST: 8260

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	8260								REMARKS/PRECAUTIONS
2BB-36-13-2.0	1	4/24/97	1604	SOIL	2½"x6" BRAT	—	X								
2BB-36-13-5.0			1611				X								
2BB-36-13-9.0			1614				X								
2BB-36-13-19.0			1622				X								
2BB-36-13-29.0			1634				X								
2BB-36-13-39.0			1644				X								
2BB-36-13-49.0			1652				X								

Total No. of Samples: 7

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
M Balderman	4/24/97 1749	Rus Purcell	4/24/97 1750
Rus Purcell	4/28/97 1130	Michael Gruger	4/28/97 11:30 AM
		Received For Lab By: Mark McDaniel	4-28-97 12:30

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-C6-0152971