Table of Contents

Laboratory Reference #	Consultant	Laboratory	Sample Date
MWI 9516	Montgomery Watson	Orange Coast Analytical, Inc.	9/3/1997
MWI 9673	Montgomery Watson	Orange Coast Analytical, Inc.	10/22/1997
MWI 9467	Montgomery Watson	Orange Coast Analytical, Inc.	8/19/1997
MWI 9344	Montgomery Watson	Orange Coast Analytical, Inc.	7/16/1997
MWI 9349	Montgomery Watson	Orange Coast Analytical, Inc.	7/17/1997
MWI 9359	Montgomery Watson	Orange Coast Analytical, Inc.	7/18/1997
MWI 9166	Montgomery Watson	Orange Coast Analytical, Inc.	6/5/1997
MWI 9359	Montgomery Watson	Orange Coast Analytical, Inc.	7/22/1997
MWI 9166	Montgomery Watson	Orange Coast Analytical, Inc.	6/5/1997
MWI 9364	Montgomery Watson	Orange Coast Analytical, Inc.	7/28/1997
MWI 9016	Montgomery Watson	Orange Coast Analytical, Inc.	5/12/1997
MWI 8938	Montgomery Watson	Orange Coast Analytical, Inc.	4/21/1997
KJC 8885	Kennedy Jenks	Orange Coast Analytical, Inc.	4/8/1997
MWI 9359	Montgomery Watson	Orange Coast Analytical, Inc.	7/18/1997
MWI 9370	Montgomery Watson	Orange Coast Analytical, Inc.	7/28/1997
MWI 9364	Montgomery Watson	Orange Coast Analytical, Inc.	7/23/1997
MWI 9359	Montgomery Watson	Orange Coast Analytical, Inc.	7/23/1997
MWI 9403	Montgomery Watson	Orange Coast Analytical, Inc.	7/29/1997
MWI 9424	Montgomery Watson	Orange Coast Analytical, Inc.	8/4/1997
MWI 9428	Montgomery Watson	Orange Coast Analytical, Inc.	8/5/1997
MWI 9451	Montgomery Watson	Orange Coast Analytical, Inc.	8/13/1997

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

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

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/04/97
Reported: 09/04/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090031	B44-GS-6-8'	12
97090032	B44-RE1-SP1	22
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, B44-RE1-SP1

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/05/97
Reported: 09/12/97

Laboratory Sample Number: 97090032
Laboratory Reference #: MWI 9516

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	11
Cobalt	6010	80	8000	0.5	7.3
Copper	6010	25	2500	0.1	13
Lead	6010	5.0	1000	1.0	5.3
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	6.5
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	21
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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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

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

Sample Description: Soil, B44-RE1-SP1
Laboratory Sample Number: 97090032
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/05/97
Reported: 09/12/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, B44-RE1-SP1
Laboratory Sample #: 97090032

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	103
4-Bromofluorobenzene	92

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

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

Sample Description: Soil, B44-RE1-SP1
Laboratory Sample Number: 97090032
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Soil, B44-RE1-SP1
Laboratory Sample #: 97090032

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/11/97
Reported: 09/12/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97090033	Equip Blank	N.D.
97090034	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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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

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

Sample Description: Water, Equip Blank

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/10/97
Reported: 09/12/97

Laboratory Sample Number: 97090033
Laboratory Reference #: MWI 9516

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Water, Rinsate Blank

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/10/97
Reported: 09/12/97

Laboratory Sample Number: 97090034
Laboratory Reference #: MWI 9516

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

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

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090033
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090033

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	88
Toluene-d8	101
4-Bromofluorobenzene	91

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090034
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/05/97
Reported: 09/12/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090034

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	104
4-Bromofluorobenzene	92

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

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

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97090035
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/05/97
Reported: 09/12/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97090035

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	102
4-Bromofluorobenzene	95

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

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

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97090033
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97090033

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97090034
Laboratory Reference #: MWI 9516

Sampled: 09/03/97
Received: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97090034

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Sample Description: Water, Equip Blank

Sampled: 09/03/97
Recevied: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

Laboratory Sample Number: 97090033
Laboratory Reference #: MWI 9516

PCB'S (EPA 8080)

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

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

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

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

Sample Description: Water, Rinsate Blank

Sampled: 09/03/97
Recevied: 09/03/97
Analyzed: 09/09/97
Reported: 09/12/97

Laboratory Sample Number: 97090034
Laboratory Reference #: MWI 9516

PCB'S (EPA 8080)

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

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

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

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

Sample Description: Water, Equip Blank

Sampled: 09/03/97
Recevied: 09/03/97
Analyzed: 09/10/97
Reported: 09/12/97

Laboratory Sample Number: 97090033
Laboratory Reference #: MWI 9516

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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

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

Sample Description: Water, Rinsate Blank

Sampled: 09/03/97
Recevied: 09/03/97
Analyzed: 09/10/97
Reported: 09/12/97

Laboratory Sample Number: 97090034
Laboratory Reference #: MWI 9516

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 09/09/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9516

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	12	55	60	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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 09/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9516

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.64	0.67	64	67	5

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 09/05/97
Laboratory Sample No : 97090031
Laboratory Reference No : MWI 9516

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	54	54	108	108	0
Trichloroethene	0.0	50	49	49	98	98	0
Toluene	0.0	50	52	53	104	106	2
Chlorobenzene	0.0	50	48	49	96	98	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 09/09/97
Laboratory Sample No : 97090033
Laboratory Reference No : MWI 9516

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	20	90	100	11
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	19	20	95	100	5
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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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/04/10/11/97
Laboratory Sample No : 97090033, 97090034
Laboratory Reference No : MWI 9516

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.90	3.30	97	110	13
Arsenic	0.00	1.00	1.20	1.40	120	140	15
Barium	0.00	1.00	1.20	1.30	120	130	8
Beryllium	0.00	0.100	0.100	0.110	100	110	10
Cadmium	0.00	0.100	0.110	0.120	110	120	9
Chromium (VI)	0.00	0.50	0.48	0.46	96	92	4
Chromium (Total)	0.00	1.000	0.660	0.710	66	71	7
Cobalt	0.00	0.100	0.120	0.120	120	120	0
Copper	0.000	0.100	0.100	0.110	100	110	10
Lead	0.00	1.00	1.20	1.20	120	120	0
Mercury	0.000	0.020	0.020	0.021	100	105	5
Molybdenum	0.00	1.00	1.00	1.20	100	120	18
Nickel	0.00	0.50	0.54	0.59	108	118	9
Selenium	0.00	2.00	1.72	2.10	86	105	20
Silver	0.00	0.50	0.43	0.46	86	92	7
Thallium	0.00	3.00	3.00	3.20	100	107	6
Vanadium	0.00	0.50	0.46	0.53	92	106	14
Zinc	0.000	1.000	0.670	0.810	67	81	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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QC DATA REPORT

Analysis : Metals

Date of Analysis : 09/04/05/08/97
Laboratory Sample No : 97090041, 97090031
Laboratory Reference No : MWI 9516

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	26.5	26.1	88	87	2
Arsenic	0.0	10.0	8.2	8.2	82	82	0
Barium	7.5	10.0	16.5	16.7	90	92	1
Beryllium	0.00	1.00	0.83	0.84	83	84	1
Cadmium	0.00	1.00	0.78	0.79	78	79	1
Chromium (Total)	1.30	5.00	6.40	6.40	102	102	0
Chromium (VI)	0.00	1.00	1.06	1.01	106	101	5
Cobalt	1.00	1.00	1.84	1.86	84	86	1
Copper	1.30	1.00	2.16	2.18	86	88	1
Lead	0.28	10.0	9.0	9.0	87	87	0
Mercury	0.000	0.020	0.020	0.020	100	100	0
Molybdenum	0.0	10.0	10.0	10.0	100	100	0
Nickel	0.93	5.00	4.2	4.3	65	67	2
Selenium	0.0	10.0	9.3	9.4	93	94	1
Silver	0.0	5.0	4.9	4.9	98	98	0
Thallium	0.0	30.0	31.0	31.0	103	103	0
Vanadium	2.9	5.0	7.5	7.5	92	92	0
Zinc	3.6	5.0	8.4	8.4	96	96	0

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/04/97
Laboratory Sample No : 97080461
Laboratory Reference No : MWI 9516

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	102	101	102	1

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 09/11/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9516

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.1	2.2	84	88	5

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 09/09/97
Laboratory Sample No : 97090031
Laboratory Reference No : MWI 9516

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	43	84	86	2
n-Nitroso-di-n-propylamine	0.0	50	52	52	104	104	0
1,2,4-Trichlorobenzene	0.0	50	44	47	88	94	7
Acenaphthene	0.0	50	46	47	92	94	2
Pyrene	0.0	50	50	48	100	96	4
Pentachlorophenol	0.0	100	84	82	84	82	2
4-Chloro-3-Methylphenol	0.0	100	94	91	94	91	3
2-Chlorophenol	0.0	100	77	74	77	74	4
Phenol	0.0	100	68	67	68	67	1

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 09/09/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9516

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	51	48	102	96	6
1,2,4-Trichlorobenzene	0.0	50	39	40	78	80	3
Acenaphthene	0.0	50	44	45	88	90	2
Pyrene	0.0	50	46	48	92	96	4
Pentachlorophenol	0.0	100	79	86	79	86	8
4-Chloro-3-Methylphenol	0.0	100	77	91	77	91	17
2-Chlorophenol	0.0	100	73	82	73	82	12
Phenol	0.0	100	29	32	29	32	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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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: Standard

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

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B44-GS-6-8'	2	9/3/97	1455	SOIL	2"x6" SS sleeves	ICE	X	X	X	X					
B44-RE1-SP1	2	9/3/97	1440	↓	↓	↓	X	X	X	X					
Equipment Blank	2	9/3/97	1530	WATER	Amber 1 Poly.	none 1 poly	X	X	X	X	X	X			
Rinsate Blank	2	9/3/97	1545		↓	↓	X	X	X	X	X	X			
Trip Blank	2	9/3/97	—	↓	2 VOA.	HCl			X						

Total No. of Samples: 5

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	9/3/97 1610		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	9/3/97 16:10

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

Sample Integrity: (check)
Intact _____ on ice _____

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

BOE-C6-0146513

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.0109001

Project Name: The Boeing Company

Laboratory Reference: MWI 9646

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

Date Sampled: 10/13/97
Date Received: 10/13/97
Date Reported: 10/21/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

MWI 9646

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100213	97100214	97100215	97100216	97100217	LAB SAMP NO	R1	T CONC
							SAMP TYPE	S	S	W	W	W	QC(S)		
							RES CODE	PP01	PP01	BF11	BR11	BT11			
							SAMP ID	B44-GS-7-8'	B44-RE1-SP2	EQUIP BLANK	RINSATE BLANK	TRIP BLANK			
							SAMP DATE	10/13/97	10/13/97	10/13/97	10/13/97	10/13/97			
							SAMP TIME	13 10	13 38	14.45	15 00				
							SAMP DEPTH	8'							
							PRESERVED			, N, H	, N, H	, N, H			
							ICED	Y	Y	Y	Y	Y			
							RECEIVED	10/13/97	10/13/97	10/13/97	10/13/97	10/13/97			
							REC TIME	15 05	15 05	15 05	15 05	15 05			
							BASIS	W	W	W	W	W			
							Tested	10/14/97	10/14/97	10/20/97	10/20/97		10/14/97		
418 1	8 0	0 5		T		ppm	Extractable Hydrocarbons	<	40	<	<		97090672	0 0	100
							Tested	10/15/97	10/15/97	10/15/97	10/15/97		10/15/97		
6010	5 0	0 5		T		ppm	Antimony	<	<	<	<		97100213	0 0	30 0
6010	1 0	0 1		T		ppm	Arsenic	<	<	<	<		97100213	0 0	10 0
6010	0 1	0 01		T		ppm	Barium	67	110	<	<		97100213	6 7	10 0
6010	0 1	0 01		T		ppm	Beryllium	<	<	<	<		97100213	0 00	1 00
6010	0 1	0 01		T		ppm	Cadmium	<	<	<	<		97100213	0 00	1 00
							Tested	10/14/97	10/14/97	10/14/97	10/14/97		10/14/97		
7196	0 5	0 01		T		ppm	Chromium (VI)	<	<	<	<		97100214	0 00	1 00
							Tested	10/15/97	10/15/97	10/15/97	10/15/97		10/15/97		
6010	0 1	0 01		T		ppm	Chromium Total	24	29	<	<		97100213	2 40	5 00
6010	0 5	0 1		T		ppm	Cobalt	5 4	6 5	<	<		97100213	0 54	1 00
6010	0 1	0 01		T		ppm	Copper	9 1	12	<	<		97100213	0 90	1.00
6010	1 0	0 1		T		ppm	Lead	<	<	<	<		97100213	0 00	10 0
							Tested	10/14/97	10/14/97	10/14/97	10/14/97		10/15/97		
7471	0 01	0 002		T		ppm	Mercury	<	<	<	<		97100232	0 000	0.020
							Tested	10/15/97	10/15/97	10/15/97	10/15/97		10/15/97		
6010	0 5	0 1		T		ppm	Molybdenum	<	<	<	<		97100213	0 0	10.0
6010	0.5	0 1		T		ppm	Nickel	8 0	8 5	<	<		97100213	0.80	5.00
6010	1.0	0 1		T		ppm	Selenium	<	<	<	<		97100213	0 0	10.0
6010	0 1	0 1		T		ppm	Silver	<	<	<	<		97100213	0 0	5.0
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<		97100213	0 0	30 0
6010	0 5	0 1		T		ppm	Vanadium	26	32	<	<		97100213	2.6	5.0
6010	0 1	0.01		T		ppm	Zinc	48	46	<	<		97100213	4.8	5.0
							Tested	10/15/97	10/15/97	10/17/97	10/17/97	10/17/97	10/15/97		
							Dilution Factor	1	1	1	1	1			
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	97100214	0.0	50

BOE-C6-0146515

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	<	<	<	<	<	97100214	0.0	50	
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	3.3	<	<	<	<	97100214	0.0	50	
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<				
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<				
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<				
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<				
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<				
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<				
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<				
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<				
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<	<				
8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<	<	<	<	97100214	0.0	50	
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	10	<	<	<	<	97100214	0.0	50	
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<				
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<				
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<				
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<	<	<	<				
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<				
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<				
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<				
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<				
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<				
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<				
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<				
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<				
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<	<	<	<				
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<				
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<				
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<				
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<	<	<	<				
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<				
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<	<	<	<				

BOE-C6-0146516

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	109	109	109	111	114				
					T	%	Toluene-d8	93	88	96	89	88				
					T	%	4-Bromofluorobenzene	97	80	92	89	88				
							Tested	10/15/97	10/15/97	10/16/97	10/16/97		10/15/97			
							Dilution Factor	1	1	1	1					
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<		97100213	0.0	50	
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<					
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<					
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<					
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<					
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	<	<	<	<					
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<					
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<					
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<					
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<					
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<					
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<					
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<					
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<					
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<					
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<					
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<					
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<					
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<					
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<	<	<		97100213	0.0	100	
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<		97100213	0.0	100	
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<	<	<					
8270	100	5.0	218-0109	T		ppb	Chrysene	<	<	<	<					
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<					
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<					

BOE-C6-0146517

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	<	<	<	<		97100213	0.0	50
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	<	<	<	<		97100213	0.0	50
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<	<	<				
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<	<	<		97100213	0.0	100
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<	<	<	<				
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<		97100213	0.0	100
8270	100	5.0	129-00-0	T		ppb	Pyrene	<	<	<	<		97100213	0.0	50
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<		97100213	0.0	50
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<				
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<				
							Tested	10/17/97		10/17/97	10/17/97		10/17/97		
							Dilution Factor	1		1	1				
8080	20	5.0	12674-11-2	T		ppb	PCB-1016	<		<	<				

BOE-C6-0146518

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	<		<	<		97100231	0 0	250
							Tested			10/17/97	10/17/97				
							Dilution Factor			1	1				
8080	1 0	0 1	309-00-2	T		ppb	Aldrin			<	<				
8080	1 0	0 2	319-84-6	T		ppb	alpha-BHC			<	<				
8080	1 0	0 2	319-85-7	T		ppb	beta-BHC			<	<				
8080	2 0	0 2	319-86-8	T		ppb	gamma-BHC			<	<				
8080	1 0	0 2	58-89-9	T		ppb	gamma-BHC (Lindane)			<	<				
8080	10	0 2	57-74-9	T		ppb	Chlordane			<	<				
8080	2 0	0 5	72-54-9	T		ppb	4,4'-DDD			<	<				
8080	5 0	0 1	72-55-9	T		ppb	4,4'-DDE			<	<				
8080	1 0	0 1	50-29-3	T		ppb	4,4'-DDT			<	<				
8080	2 0	0 5	60-57-1	T		ppb	Dieldrin			<	<				
8080	1 0	0 5	959-98-8	T		ppb	Endosulfan I			<	<				
8080	2 0	0 5	33213-65-9	T		ppb	Endosulfan II			<	<				
8080	10	0 5	1031-07-8	T		ppb	Endosulfan sulfate			<	<				
8080	2 0	0 02	72-20-8	T		ppb	Endrin			<	<				
8080	2 0	0 2	7421-93-4	T		ppb	Endrin aldehyde			<	<				
8080	1 0	0 1	76-44-8	T		ppb	Heptachlor			<	<				
8080	1 0	0 2	1024-57-3	T		ppb	Heptachlor epoxide			<	<				
8080	30	9 0	72-43-5	T		ppb	Methoxychlor			<	<				
8080	35	0 5	8001-35-2	T		ppb	Toxaphene			<	<				

BOE-C6-0146519

					QC(W)							
SL	DL	RECOVER	D RECOVER	RPD	LAB SAMP NO	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
110	110	110	110	0	10/20/97 OCA 100	0 0	2 5	2 5	2 4	100	96	4
27 0	36 0	90	120	29	10/15/97 97100182	0 00	3 00	3.00	3 00	100	100	0
11 0	11 0	110	110	0	97100182	0 00	1.00	1.10	1 20	110	120	9
17 0	17 0	103	103	0	97100182	0 00	1 00	1.100	1 100	110	110	0
0.88	0 90	88	90	2	97100182	0 00	0.100	0 11	0 10	110	100	10
0 93	0 97	93	97	4	97100182	0 00	0 100	0 11	0 11	110	110	0
0 90	0.89	90	89	1	10/14/97 OCA 100	0 00	0.50	0 46	0.46	92	96	4
6 90	7 10	90	94	3	10/15/97 97100182	0 00	0.500	0.56	0 60	112	120	7
1 40	1.40	86	86	0	97100182	0.00	0.100	0.09	0.09	87	87	0
1 70	1.80	80	90	6	97100182	0.00	0.100	0 094	0 090	94	90	4
8.50	8.20	85	82	4	97100182	0.00	1.00	1.10	0.95	110	95	15
0 019	0.020	95	100	5	10/14/97 OCA 100	0.000	0.020	0.020	0.021	100	105	5
9 9	9.8	99	98	1	10/15/97 97100182	0.00	1.00	1.10	1.00	110	100	10
5.30	5.20	90	88	2	97100182	0.00	0.50	0.46	0.49	92	98	6
9.3	11.0	93	110	17	97100182	0.00	1.00	1.20	1 10	120	110	9
4 3	5 0	86	100	15	97100182	0.00	0.50	0.52	0.53	104	106	2
26.0	26.0	87	87	0	97100182	0.00	3.00	3.20	3 30	107	110	3
7.1	7.6	90	100	7	97100182	0.00	0.50	0.52	0.52	104	104	0
9.6	9.7	96	98	1	97100182	0.00	0.500	0.620	0.620	124	124	0
46	47	92	94	2	10/17/97 1 97100217	0 0	20	21	21	105	105	0

BOE-C6-0146520

50	52	100	104	4	97100217	0 0	20	20	20	100	100	0
40	44	80	88	10	97100217	0 0	20	27	27	135	135	0
45	47	90	94	4	97100217	0 0	20	20	20	100	100	0
58	61	116	122	5	97100217	0 0	20	23	22	115	110	4

BOE-C6-0146521

					10/16/97							
40	43	80	86	7	OCA 100	0.0	50			0	0	#DIV/0!
64	70	64	70	9	OCA 100	0.0	100			0	0	#DIV/0!
66	70	66	70	6	OCA 100	0.0	100			0	0	#DIV/0!

BOE-C6-0146522

37	39	74	78	5	OCA 100	0 0	50			0	0	#DIV/0!
40	41	80	82	2	OCA 100	0.0	50			0	0	#DIV/0!
67	74	67	74	10	OCA 100	0 0	100			0	0	#DIV/0!
59	63	59	63	7	OCA 100	0.0	100	22	23	22	23	4
48	51	96	102	6	OCA 100	0.0	50	49	57	98	114	15
41	45	82	90	9	OCA 100	0 0	50	23	22	46	44	4
					10/17/.97							

BOE-C6-0146523

150	130	60	52	14	OCA 100 10/17/97	0.0	20	8 8	11	44	55	22
					OCA 100	0.0	1.0	0 80	0 72	80	72	11

BOE-C6-0146524

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

24 hr TAT on Soil TRPH
REQUIRED TAT: Standard TAT Other

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

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
B44-GS-7-8'	2	10/13/97	1310	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					
B44-RE1+SP2	2		1338	SOIL			X	X	X	X					
Equipment Blank	7		1445	WATER	4 amber Poly 2 VOAs	none HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1500	WATER			X	X	X	X	X	X			
Trip Blank	2		—	WATER	2 VOAs	HCl			X						

Total No. of Samples: 5

Method of Shipment: 1 cooler Via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	10/13/97 1505		

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

Sample Integrity: (check)
Intact _____ on Ice _____

Received For Lab By: [signature] Date/Time: 10/13/97 15:05

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

BOE-C6-0146525

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9674

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

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

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100345	97100346	97100347	97100348	97100349	97100350	97100351	97100352
							SAMP TYPE	S	S	S	S	S	S	W	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	BF11	BR11
							SAMP ID	B37C3-GS-1-5'	B37C3-GS-2-5'	B37C3-GS-3-5'	B37C3-GS-4-5'	B61C1-SL-1	B44-RE1-SP2A	EQUIP BLANK	RINSATE BLANK
							SAMP DATE	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
							SAMP TIME	7.55	8.40	8.55	9.05	10.45	11.40	14.45	15.00
							SAMP DEPTH	5'	5'	5'	5'				
							PRESERVED							N, H	N, H
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97	10/23/97
							REC TIME	15.10	15.10	15.10	15.10	15.10	15.10	15.10	15.10
							BASIS	W	W	W	W	W	W	W	W
							Tested	10/24/97	10/24/97	10/24/97	10/24/97	10/24/97		10/27/97	10/27/97
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	15,000	25,000	22,000	21,000	2,600		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<	<		<	<
6010	1.0	0.1		T		ppm	Arsenic	<	<	<	<	<		<	<
6010	0.1	0.01		T		ppm	Barium	120	94	140	130	130		<	<
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<	<		<	<
6010	0.1	0.01		T		ppm	Cadmium	<	<	<	<	3.4		<	<
							Tested	10/24/97	10/24/97	10/24/97	10/24/97	10/24/97		10/24/97	10/24/97
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<	<		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	0.1	0.01		T		ppm	Chromium Total	23	17	5.6	8.0	110		<	<
6010	0.5	0.1		T		ppm	Cobalt	7.1	3.8	1.1	2.2	3.7		<	<
6010	0.1	0.01		T		ppm	Copper	10	11	3.5	5.2	85		<	<
6010	1.0	0.1		T		ppm	Lead	<	1.4	2.3	<	37		<	<
							Tested	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97		10/28/97	10/28/97
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<	<		<	<
							Tested	10/27/97	10/27/97	10/27/97	10/27/97	10/27/97		10/27/97	10/27/97
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<	<		<	<
6010	0.5	0.1		T		ppm	Nickel	10	7.4	4.1	5.0	6.1		<	<
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<	<		<	<
6010	0.1	0.1		T		ppm	Silver	<	<	<	<	<		<	<
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<	<		<	<
6010	0.5	0.1		T		ppm	Vanadium	27	20	11	12	15		<	<
6010	0.1	0.01		T		ppm	Zinc	33	82	20	32	420		<	<
STLC				S		ppm									
TCLP				C		ppm									
							Tested	10/28/97	10/30/97	10/28/97	10/28/97	10/30/97		10/28/97	10/28/97
							Dilution Factor	20	20	20	20	20		1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<		<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<		<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<		<	<

BOE-C6-0146527

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

BOE-C6-0146528

8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<		<	<
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<		<	<
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<		<	<
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<		<	<
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<		<	<
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	170	360	58	<	<		<	<
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<		<	<
					T	%	Dibromofluoromethane	117	111	117	113	111		102	103
					T	%	Toluene-d8	83	87	86	88	80		101	98
					T	%	4-Bromofluorobenzene	83	75	84	88	83		105	96
							Tested	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97		10/25/97	10/25/97
							Dilution Factor	5	5	5	5	1		1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<	<		<	<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<	<		<	<
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<	<		<	<
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<	<		<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<	<		<	<
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	<	<	<	<	<		<	<
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<	<	<		<	<
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<	<	<		<	<
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<	<	<	<	<		<	<
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<	<	<		<	<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<	<	<		<	<
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<	<	<		<	<
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<	<	<		<	<
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<	<	<		<	<
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<	<		<	<
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<	<	<		<	<
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<	<	<	<		<	<
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<	<	<		<	<
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	19,000	<	<	<	<		<	<
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<	<	<	<		<	<
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<	<	<	<		<	<
8270	100	5.0	218-0109	T		ppb	Chrysene	<	<	<	<	<		<	<
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<	<	<	<		<	<
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<	<	<	<		<	<
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<		<	<
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<	<	<	<		<	<
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<	<	<	<		<	<
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<	<	<	<		<	<
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<	<	<	<		<	<
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<	<	<	<		<	<
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<	<	<	<		<	<
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<	<	<	<		<	<
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<	<	<	<		<	<

BOE-C6-0146529

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

BOE-C6-0146530

8080	1 0	0 1	50-29-3	T		ppb	4,4'-DDT							<	<
8080	2 0	0 5	60-57-1	T		ppb	Dieldrin							<	<
8080	1 0	0 5	959-98-8	T		ppb	Endosulfan I							<	<
8080	2 0	0.5	33213-65-9	T		ppb	Endosulfan II							<	<
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate							<	<
8080	2 0	0 02	72-20-8	T		ppb	Endrin							<	<
8080	2 0	0 2	7421-93 4	T		ppb	Endrin aldehyde							<	<
8080	1 0	0 1	76-44-8	T		ppb	Heptachlor							<	<
8080	1 0	0.2	1024-57-3	T		ppb	Heptachlor epoxide							<	<
8080	30	9 0	72-43-5	T		ppb	Methoxychlor							<	<
8080	35	0 5	8001-35-2	T		ppb	Toxaphene							<	<
							Tested								
8015m				T		ppm	Up to & Including C-12								
8015m				T		ppm	C13-22								
8015m				T		ppm	C23 & Higher								
							Tested								
8015m	8 0	0 5		T		ppm	Diesel								
							Tested								
8015m	5 0	0 05		T		ppm	Gas								
							Tested								
9060	5 0	1 0		T		ppm	TOC								
							Tested								
9081	1 0	1 0		T		ppm	Cation Exchange Capacity								

Units in ng for Method 8270

BOE-C6-0146531

	QC(S)								QC(W)							
W BT11 TRIP BLANK 10/23/97 N, H Y 10/23/97 15 10 W																
97100353	LAB SAMP NO	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD	LAB SAMP NO	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
	10/24/97 97100341	0 0	100	107	101	107	101	6	10/27/97 OCA 100	0 0	2 5	2 4	2 5	96	100	4
	10/27/97 97100347	0 0	30 0	27 0	26 0	90	87	4	10/27/97 97100302	0 00	3 00	2 80	2 70	93	90	4
	97100347	0 0	10 0	9 7	9 8	97	98	1	97100302	0.00	1.00	1 00	1 20	100	120	18
	97100347	14 0	10 0	26 0	26 0	120	120	0	97100302	0 160	1 100	1 350	1 360	108	109	1
	97100347	0 00	1 00	0 89	0.90	89	90	1	97100302	0.00	0.100	0 10	0 10	97	97	0
	97100347	0 00	1 00	1 00	0 99	100	99	1	97100302	0 00	0 100	0 10	0 10	100	100	0
	10/24/97 97100348	0 00	1 00	0 90	0 88	90	88	2	10/24/97 97100342	0 00	0 50	0 53	0 51	106	102	4
	10/27/97 97100347	0 56	5 00	5 80	5 70	105	103	2	10/27/97 97100302	0 00	0.100	0 10	0 08	95	83	13
	97100347	0 11	1 00	1 10	1 10	99	99	0	97100302	0 00	0 100	0 10	0 10	100	100	0
	97100347	0 35	1 00	1 30	1 20	95	85	8	97100302	0 000	0 100	0 110	0 110	110	110	0
	97100347	0 23	10 0	10 00	9 90	98	97	1	97100302	0 00	1.00	1 00	1 00	100	100	0
	10/28/97 97100348	0 000	0 020	0 019	0 018	95	90	5	10/28/97 OCA 100	0 000	0 020	0 017	0 018	85	90	6
	10/27/97 97100347	0 0	10 0	10 2	10 5	102	105	3	10/27/97 97100302	0 00	1 00	1 10	1 10	110	110	0
	97100347	0 41	5 00	5 30	4 90	98	90	8	97100302	0 00	0 50	0 48	0 52	96	104	8
	97100347	0 0	10 0	9 6	9 4	96	94	2	97100302	0 00	1 00	0 90	1 00	90	100	11
	97100347	0 0	5 0	4 0	4 0	80	80	0	97100302	0 00	0 50	0 40	0.40	80	80	0
	97100347	0 0	30 0	27 0	26 0	90	87	4	97100302	0 00	3 00	2 80	2 90	93	97	4
	97100347	1 1	5 0	6 2	6 0	102	98	3	97100302	0 00	0.50	0 60	0 60	120	120	0
	97100347	2.0	5 0	6 7	6 5	94	90	3	97100302	0 000	0 100	0 100	0 100	100	100	0
10/28/97 1 < << <	10/28/97 OCA200	0 0	50	41	44	82	88	7	10/28/97 97100353	0 0	20	17	17	85	85	0

BOE-C6-0146532

<	OCA200	0 0	50	46	49	92	98	6	97100353	0 0	20	18	18	90	90	0
<	OCA200	0 0	50	46	46	92	92	0	97100353	0 0	20	17	18	85	90	6
<	OCA200	0 0	50	36	41	72	82	13	97100353	0 0	20	16	16	80	80	0
<	OCA200	0 0	50	50	51	100	102	2	97100353	0 0	20	20	19	100	95	5

BOE-C6-0146533

<																	
<																	
<																	
<																	
<																	
<																	
<																	
111																	
93																	
93																	
	10/28/97									10/25/97							
	OCA200	0 0	50	35	38	70	76	8		OCA100	0 0	50	40	41	80	82	2
	OCA200	0 0	100	60	67	60	67	11		OCA100	0.0	100	62	66	62	66	6
	OCA200	0 0	100	61	67	61	67	9		OCA100	0 0	100	69	69	69	69	0
	OCA200	0 0	50	33	38	68	72	9		OCA100	0 0	50	30	30	60	60	0

BOE-C6-0146534

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

BOE-C6-0146535

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

BOE-C6-0146536

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

Analysis Request and Chain of Custody Record

24 hr TAT on SP2A PCBs

Lab Job No: _____
Page 1 of 1

24 hr TAT ON SOIL
REQUIRED TAT: Standard TAT

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 12C6035.01090010
ADDRESS: 250 N Madison Ave	LOCATION: C-6 Facility.
Pasadena, CA 91101	ADDRESS: 19503 S Normandie Ave
	Los Angeles, CA
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IV/CW,

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37C3-GS-1-5'	2	10/23/97	0755	Soil	2"x6" SS Sleeve	Ice	X	X	X	X					
B37C3-GS-2-5'	2	10/23/97	0840				X	X	X	X					
B37C3-GS-3-5'	2	10/23/97	0855				X	X	X	X					
B37C3-GS-4-5'	2	10/23/97	0905				X	X	X	X					
B61C1-SL-1	5	10/23/97	1045	Sludge	Glass Jar	None	X	X	X	X	X				
B44-RE1-SP2A	2	10/23/97	1140	Soil	2"x6" SS Sleeve	Ice					X				24 hr TAT
Equipment Blank	7	10/23/97	1445	Water	4 Amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	10/23/97	1500				X	X	X	X	X	X			
Trip Blank	2	10/23/97	-		2 VOAs	HCL			X						

Total No. of Samples: 9

Method of Shipment: 2 coolers via Orange Coast Courier

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

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

Sample Integrity: (check)
Intact _____ on ice _____

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

BOE-C6-0146537

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9673

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

Date Sampled: 10/22/97
Date Received: 10/22/97
Date Reported: 10/29/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

MWI 9673

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100341	97100342	97100343	97100344	LAB SAMP NO	R1	T CONC	SL*	DL*	RECOVER	D RECOVER
							SAMP TYPE	S	W	W	W	QC(S)						
							RES CODE	PP01	BF11	BR11	BT11							
							SAMP ID	B44-RE1-SP3	EQUIP BLANK	RINSATE BLANK	TRIP BLANK							
							SAMP DATE	10/22/97	10/22/97	10/22/97	10/22/97							
							SAMP TIME	8:30	14 30	16:45								
							SAMP DEPTH											
							PRESERVED		, N H	, N, H	, N, H							
							ICED	Y	Y	Y	Y							
							RECEIVED	10/22/97	10/22/97	10/22/97	10/22/97							
							REC TIME	17.15	17 15	17:15	17:15							
							BASIS	W	W	W	W							
							Tested	10/23/97	10/27/97	10/27/97		10/23/97						
418.1	8 0	0 5		T		ppm	Extractable Hydrocarbons	8.2	<	<		97100287	0 0	100	126	127	126	127
							Tested	10/23/97	10/27/97	10/27/97		10/23/97						
6010	5 0	0 5		T		ppm	Antimony	<	<	<		97100341	0 0	30 0	26 0	25.0	87	83
6010	1 0	0 1		T		ppm	Arsenic	10	<	<		97100341	1 0	10 0	9 5	11 0	85	100
6010	0 1	0 01		T		ppm	Barium	100	<	<		97100341	10 0	10 0	20 0	20 0	100	100
6010	0 1	0 01		T		ppm	Beryllium	<	<	<		97100341	0 00	1 00	0 89	0 95	89	95
6010	0 1	0 01		T		ppm	Cadmium	<	<	<		97100341	0 00	1 00	0.93	0 92	93	92
							Tested	10/23/97	10/24/97	10/24/97		10/23/97						
7196	0 5	0 01		T		ppm	Chromium (VI)	<	<	<		97100341	0 00	1.00	1 10	1 10	110	110
							Tested	10/23/97	10/27/97	10/27/97		10/23/97						
6010	0 1	0 01		T		ppm	Chromium Total	29	<	<		97100341	2 9	5 0	7 0	7 4	82	90
6010	0 5	0 1		T		ppm	Cobalt	7.7	<	<		97100341	0 77	1.00	1 60	1.60	83	83
6010	0 1	0 01		T		ppm	Copper	14	<	<		97100341	1 40	1 00	2 20	2 40	80	100
6010	1 0	0 1		T		ppm	Lead	<	<	<		97100341	0 00	10.0	10 0	10 0	100	100
							Tested	10/23/97	10/28/97	10/28/97		10/23/97						
7471	0 01	0 002		T		ppm	Mercury	<	<	<		97100341	0 000	0 020	0 018	0 017	90	85
							Tested	10/23/97	10/27/97	10/27/97		10/23/97						
6010	0 5	0 1		T		ppm	Molybdenum	<	<	<		97100341	0 0	10 0	9 1	9.8	91	98
6010	0 5	0 1		T		ppm	Nickel	9.4	<	<		97100341	0 94	5 0	5 2	5 2	85	85
6010	1 0	0 1		T		ppm	Selenium	<	<	<		97100341	0 0	10 0	11 0	11 0	110	110
6010	0 1	0 1		T		ppm	Silver	<	<	<		97100341	0 0	5.0	4 3	4 8	86	96
6010	5 0	0 5		T		ppm	Thallium	<	<	<		97100341	0 0	30.0	24 0	25.0	80	83
6010	0 5	0 1		T		ppm	Vanadium	36	<	<		97100341	3 6	5.0	7 9	8.2	86	92
6010	0 1	0 01		T		ppm	Zinc	64	<	<		97100341	6 4	5 0	11.0	11.0	92	92
							Tested	10/23/97	10/24/97	10/24/97	10/24/97	10/23/97						
							Dilution Factor	1	1	1	1							
8260	2.5	0 5	71-43-2	T		ppb	Benzene	<	<	<	<	97100328	0 0	50	43	40	86	80
8260	2 5	0 5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<							
8260	2 5	0 5	75-25-2	T		ppb	Bromoform	<	<	<	<							
8260	2 5	1 0	74-83-9	T		ppb	Bromomethane	<	<	<	<							
8260	5 0	0 5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<							
8260	2 5	0 5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<							
8260	2 5	0 5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	97100328	0 0	50	46	43	92	86

BOE-C6-0146539

8260	2 5	0 5	124-48-1	T	ppb	Chlorodibromomethane	<	<	<	<								
8260	2 5	0 5	75-00-3	T	ppb	Chloroethane	<	<	<	<								
8260	5 0	0 5	110-75-8	T	ppb	2-Chloroethyl vinyl ether	<	<	<	<								
8260	2 5	0 5	67-66-3	T	ppb	Chloroform	<	<	<	<								
8260	2 5	0 5	74-87-3	T	ppb	Chloromethane	<	<	<	<								
8260	2 5	0 5	75-34-3	T	ppb	1,1-Dichloroethane	<	<	<	<								
8260	2 5	0 5	107-06-2	T	ppb	1,2-Dichloroethane	<	<	<	<								
8260	2 5	0 5	75-35-4	T	ppb	1,1-Dichloroethene	<	<	<	<	97100328	0 0	50	49	43	98	86	
8260	2 5	0 5	156-60-5	T	ppb	Trans 1,2-Dichloroethene	<	<	<	<								
8260	2 5	0 5	78-87-5	T	ppb	1,2-Dichloropropane	<	<	<	<								
8260	2 5	0 5	10061-01-5	T	ppb	cis-1,3-Dichloropropene	<	<	<	<								
8260	2 5	0 5	10061-02-6	T	ppb	trans-1,3-Dichloropropene	<	<	<	<								
8260	2 5	0 5	100-41-4	T	ppb	Ethylbenzene	<	<	<	<								
8260	5 0	2 5	75-09-2	T	ppb	Methylene chloride	<	<	<	<								
8260	2 5	0 5	100-42-5	T	ppb	Styrene	<	<	<	<								
8260	2 5	0 5	79-34-5	T	ppb	1 1 2 2-Tetrachloroethane	<	<	<	<								
8260	2 5	0 5	127-18-4	T	ppb	Tetrachloroethene	<	<	<	<								
8260	2 5	0 5	108-88-3	T	ppb	Toluene	<	<	<	<	97100328	0 0	50	36	41	72	82	
8260	2 5	0 5	71-55-6	T	ppb	1 1 1-Trichloroethane	<	<	<	<								
8260	2 5	0 5	79-00-5	T	ppb	1 1 2-Trichloroethane	<	<	<	<								
8260	2 5	0 5	79-01-6	T	ppb	Trichloroethene	<	<	<	<	97100328	0 0	50	52	48	104	96	
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	<	<	<	<								

BOE-C6-0146540

MWI 9673

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	100	103	107	105								
					T	%	Toluene-d8	98	107	107	108								
					T	%	4-Bromofluorobenzene	98	103	100	102								
							Tested	10/23/97	10/23/97	10/23/97		10/23/97							
							Dilution Factor	1	1	1									
8270	100	5 0	83-32-9	T		ppb	Acenaphthene	<	<	<		OCA200	0 0	50	34	37	68	74	
8270	100	5 0	208-96-8	T		ppb	Acenaphthylene	<	<	<									
8270	100	5 0	62-53-3	T		ppb	Aniline	<	<	<									
8270	100	5 0	120-12-7	T		ppb	Anthracene	<	<	<									
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<									
8270	100	5 0	56-55-3	T		ppb	Benzo (a) anthracene	<	<	<									
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<	<	<									
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<	<	<									
8270	250	25	191-24-2	T		ppb	Benzo (g,h i)perylene	<	<	<									
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<	<	<									
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<	<									
8270	100	5 0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<	<									
8270	100	5 0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<	<									
8270	100	5 0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<	<									
8270	100	3 0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<	<									
8270	100	5 0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<	<									
8270	100	5 0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<	<									
8270	100	5 0	106-47-8	T		ppb	4-Chloroaniline	<	<	<									
8270	100	5 0	91-58-7	T		ppb	2-Chloronaphthalene	<	<	<									
8270	100	5 0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<	<		OCA200	0 0	100	56	60	56	60	
8270	100	5 0	95-57-8	T		ppb	2-Chlorophenol	<	<	<		OCA200	0 0	100	62	70	62	70	
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	<	<	<		OCA200	0 0	50	33	37	66	74	
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	<	<	<									

BOE-C6-0146541

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	
8270	100	5.0	62-75-9	T	ppb	N-Nitrosodimethylamine	<	<	<									
8270	250	50	87-86-5	T	ppb	Pentachlorophenol	<	<	<		OCA200	0.0	100	57	65	57	65	
8270	100	5.0	85-01-8	T	ppb	Phenanthrene	<	<	<									
8270	100	5.0	108-95-2	T	ppb	Phenol	<	<	<		OCA200	0.0	100	59	65	59	65	
8270	100	5.0	129-00-0	T	ppb	Pyrene	<	<	<		OCA200	0.0	50	49	52	98	104	
8270	100	5.0	120-82-1	T	ppb	1,2,4-Trichlorobenzene	<	<	<		OCA200	0.0	50	36	40	72	80	
8270	100	5.0	95-95-4	T	ppb	2,4,5-Trichlorophenol	<	<	<									
8270	100	5.0	88-06-2	T	ppb	2,4,6-Trichlorophenol	<	<	<									
						Tested		10/27/97	10/27/97									
						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		<	<									
						Tested		10/28/97	10/28/97									
						Dilution Factor		1	1									
8080	1.0	0.1	309-00-2	T	ppb	Aldrin		<	<									
8080	1.0	0.2	319-84-6	T	ppb	alpha-BHC		<	<									
8080	1.0	0.2	319-85-7	T	ppb	beta-BHC		<	<									
8080	2.0	0.2	319-86-8	T	ppb	gamma-BHC		<	<									
8080	1.0	0.2	58-89-9	T	ppb	gamma-BHC (Lindane)		<	<									
8080	10	0.2	57-74-9	T	ppb	Chlordane		<	<									
8080	2.0	0.5	72-54-9	T	ppb	4,4'-DDD		<	<									
8080	5.0	0.1	72-55-9	T	ppb	4,4'-DDE		<	<									
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		<	<									

BOE-C6-0146542

MWI 9673

8080	10	0 5	1031-07-8	T		ppb	Endosulfan sulfate		<	<								
8080	2 0	0 02	72-20-8	T		ppb	Endrin		<	<								
8080	2 0	0 2	7421-93-4	T		ppb	Endrin aldehyde		<	<								
8080	1 0	0 1	76-44-8	T		ppb	Heptachlor		<	<								
8080	1 0	0 2	1024-57-3	T		ppb	Heptachlor epoxide		<	<								
8080	30	9 0	72-43-5	T		ppb	Methoxychlor		<	<								
8080	35	0 5	8001-35-2	T		ppb	Toxaphene		<	<								

• Units in ng for Method 8270

BOE-C6-0146543

	QC(W)							
RPD	LAB SAMP NO	R1	T CONC	SL*	DL*	RECOVER	D RECOVER	RPD
	10/27/97							
1	OCA 100	0 0	2 5	2.4	2 5	96	100	4
	10/27/97							
4	97100302	0 00	3 00	2 80	2 70	93	90	4
15	97100302	0 00	1 00	1 00	1 20	100	120	18
0	97100302	0 16	1 10	1 35	1 36	108	109	1
7	97100302	0 00	0 100	0 10	0 10	97	97	0
1	97100302	0 00	0 100	0 10	0 10	100	100	0
	10/24/97							
0	97100342	0 00	0 50	0 53	0 51	106	102	4
	10/27/97							
6	97100302	0 00	0 100	0.10	0.08	95	83	13
0	97100302	0 00	0 100	0.10	0.10	100	100	0
9	97100302	0 000	0 100	0 110	0.110	110	110	0
0	97100302	0 00	1 00	1 00	1.00	100	100	0
	10/28/97							
6	OCA 100	0 000	0 020	0 017	0.018	85	90	6
	10/27/97							
7	97100302	0 00	1 00	1 10	1 10	110	110	0
0	97100302	0 00	0 50	0 48	0 52	96	104	8
0	97100302	0 00	1 00	0 90	1 00	90	100	11
11	97100302	0 00	0 50	0.40	0.40	80	80	0
4	97100302	0 00	3 00	2 80	2 90	93	97	4
4	97100302	0 00	0 50	0 60	0 60	120	120	0
0	97100302	0 000	0 100	0.100	0 100	100	100	0
	10/24/97							
	1							
7	97100296	0 0	20	18	20	90	100	11
7	97100296	0 0	20	18	18	90	90	0

BOE-C6-0146544

13	97100296	0 0	20	18	19	90	95	5
13	97100296	0 0	20	19	20	95	100	5
8	97100296	0 0	20	17	18	85	90	6

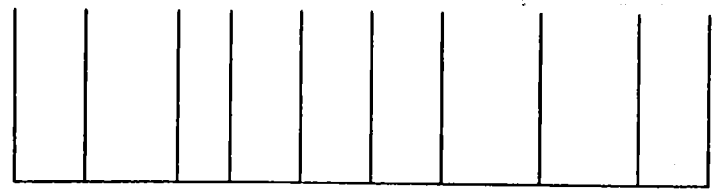
BOE-C6-0146545

	10/23/97							
8	OCA100	0 0	50	39	40	78	80	3
7	OCA100	0 0	100	64	71	64	71	10
12	OCA100	0 0	100	65	71	65	71	9
11	OCA100	0 0	50	25	25	50	50	0

BOE-C6-0146546

5	OCA100	0.0	50	34	41	68	82	19
13	OCA100	0.0	100	70	79	70	79	12
10	OCA100	0 0	100	19	27	19	27	35
6	OCA100	0 0	50	41	39	82	78	5
11	OCA200	0 0	50	30	29	60	58	3
	10/28/97							
	OCA 100	0 0	20	16	16	80	80	0
	10/28/97							
	OCA 100	0 0	1.0	0 97	0 87	97	87	11

BOE-C6-0146547



BOE-C6-0146548

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24 HR TAT ON [illegible]
REQUIRED TAT: Standard TAT [illegible]

CUSTOMER INFORMATION

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

PROJECT INFORMATION

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

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
B44-REI-SP3	2	10/22/97	0830	Soil	2"x6" SS Sleeve	ICE	X	X	X	X					*Rush on all analysis - ASAP
Equipment Blank	7	10/22/97	1430	Water	4 amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	10/22/97	1645	Water	↓	↓	X	X	X	X	X	X			
Trip Blank	2	10/22/97	—	Water	2 VOAs	HCL			X						

Total No. of Samples: 4

Method of Shipment: 1 Cooler via Orange Coast Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	10/22/97. 1715		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 10/22/97 1715

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 [illegible] osal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0146549

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

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

24 hr TAT on Soil TRPH 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: 818-796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: BLDG 44 AREA
ADDRESS: 19503 S. Normandie Ave.
Los Angeles, CA
SAMPLED BY: AWN/IV/CW

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	VOCs 8260	SVOCs 8270	Carbon Chain	Title 22 Metals	8015 gas	8015 diesel	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
B44-GS-1-4'	2	8/19/97	1150	SOIL	2"x6" SS SLEEVE	ICE	X				X					
B44-GS-2-4'	2	↓	1255	↓	↓	↓	X				X					
B44-GS-3-4'	2	↓	1320	↓	↓	↓	X				X					
B44-GS-4-4'	2	↓	1331	↓	↓	↓	X				X					
B44-GS-5-2'	2	↓	1400	↓	↓	↓	X	X	X	X	X	X	X	X		
Equipment Blank	9	↓	1445	WATER	5 amber 1 Poly 3 VOAs	none HNO3 HCl	X	X	X		X	X	X	X	X	
Rinsate Blank	9	↓	1455	↓	↓	↓	X	X	X		X	X	X	X	X	
Trip Blank	2	↓	—	↓	2 VOAs	HCl		X								

Total No. of Samples: 8

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam W. Vonis	8/19/97 1505 hrs		
		Received For Lab By: [signature]	8/19/97 15:00

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

Sample Integrity: (check)
intact ____ on ice ____

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

BOE-C6-0146550

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

QC DATA REPORT

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

Date of Analysis : 08/20/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9467

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/21/97
Laboratory Sample No : 97080299
Laboratory Reference No : MWI 9467

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	31.0	103	103	0
Arsenic	0.0	10.0	10.9	10.5	109	105	4
Barium	8.3	10.0	18.6	18.3	103	100	2
Beryllium	0.00	1.00	1.00	0.98	100	98	2
Cadmium	0.00	1.00	1.00	1.00	100	100	0
Chromium (Total)	2.10	5.00	7.20	6.70	102	92	7
Chromium (VI)	0.00	1.00	0.91	0.88	91	88	3
Cobalt	0.52	1.00	1.50	1.40	98	88	7
Copper	1.20	1.00	2.20	2.20	100	100	0
Lead	0.00	10.0	9.6	9.1	96	91	5
Mercury	0.000	0.020	0.019	0.020	95	100	5
Molybdenum	0.0	10.0	10.2	10.1	102	101	1
Nickel	0.93	5.00	5.6	5.3	93	87	6
Selenium	0.0	10.0	10.3	10.1	103	101	2
Silver	0.0	5.0	4.9	5.0	98	100	2
Thallium	0.0	30.0	26.7	25.1	89	84	6
Vanadium	2.3	5.0	7.6	7.4	106	102	3
Zinc	3.5	5.0	8.5	8.5	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 : Metals

Date of Analysis : 08/20/97
Laboratory Sample No : 97080189
Laboratory Reference No : MWI 9467

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.60	3.40	120	113	6
Arsenic	0.00	1.00	1.20	1.15	120	115	4
Barium	0.000	0.100	0.116	0.110	116	110	5
Beryllium	0.00	0.100	0.120	0.119	120	119	1
Cadmium	0.00	0.100	0.120	0.120	120	120	0
Chromium (VI)	0.00	0.50	0.49	0.48	98	96	2
Chromium (Total)	0.00	0.100	0.110	0.108	110	108	2
Cobalt	0.00	0.100	0.120	0.105	120	105	13
Copper	0.000	0.100	0.100	0.111	100	111	10
Lead	0.00	1.00	1.20	1.16	120	116	3
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	1.00	1.16	1.20	116	120	3
Nickel	0.00	0.50	0.58	0.60	116	120	3
Selenium	0.00	1.00	1.20	1.20	120	120	0
Silver	0.00	0.50	0.58	0.57	116	114	2
Thallium	0.00	3.00	3.60	3.50	120	117	3
Vanadium	0.00	0.50	0.56	0.52	112	104	7
Zinc	0.000	0.100	0.112	0.111	112	111	1

Definition of Terms :

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

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.76	0.78	76	78	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 : PCB 'S (EPA 8080)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	16	14	80	70	13

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/21/97
Laboratory Sample No : 97080176
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	220	180	88	72	20

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	50	50	100	100	0
1,1-Dichloroethene	0.0	50	47	49	94	98	4
Trichloroethene	0.0	50	46	47	92	94	2
Toluene	0.0	50	51	54	102	108	6
Chlorobenzene	0.0	50	51	52	102	104	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 08/21/97
Laboratory Sample No : 97080304
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	17	90	85	6
1,1-Dichloroethene	0.0	20	18	17	90	85	6
Trichloroethene	0.0	20	17	16	85	80	6
Toluene	0.0	20	19	18	95	90	5
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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QC DATA REPORT

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

Date of Analysis : 08/27/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	25	25	50	50	0
n-Nitroso-di-n-propylamine	0.0	50	39	37	78	74	5
1,2,4-Trichlorobenzene	0.0	50	29	30	58	60	3
Acenaphthene	0.0	50	37	37	74	74	0
Pyrene	0.0	50	41	41	82	82	0
Pentachlorophenol	0.0	100	72	70	72	70	3
4-Chloro-3-Methylphenol	0.0	100	54	41	54	41	27
2-Chlorophenol	0.0	100	64	59	64	59	8
Phenol	0.0	100	22	19	22	19	15

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 08/26/97
Laboratory Sample No : 97080333
Laboratory Reference No : MWI 9467

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	30	23	60	46	26
n-Nitroso-di-n-propylamine	0.0	50	30	29	60	58	3
1,2,4-Trichlorobenzene	0.0	50	32	26	64	52	21
Acenaphthene	0.0	50	32	27	64	54	17
Pyrene	0.0	50	36	29	72	58	22
Pentachlorophenol	0.0	100	41	47	41	47	14
4-Chloro-3-Methylphenol	0.0	100	43	50	43	50	15
2-Chlorophenol	0.0	100	39	43	39	43	10
Phenol	0.0	100	35	38	35	38	8

Definition of Terms :

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

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 08/25/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	5.0	1.9	2.2	38	44	15

Definition of Terms :

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

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 08/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	98	105	98	105	7

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9467

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	98	105	98	105	7

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

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

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 08/27/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9467

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	250	210	220	84	88	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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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080285
Laboratory Reference #: MWI 9467

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080284
Laboratory Reference #: MWI 9467

PCB'S (EPA 8080)

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

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

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080285
Laboratory Reference #: MWI 9467

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
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

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080284
Laboratory Reference #: MWI 9467

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080285

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080285
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/27/97
Reported: 08/27/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080284

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080284
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/27/97
Reported: 08/27/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080286

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	106
Toluene-d8	107
4-Bromofluorobenzene	103

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97080286
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080285

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	103
Toluene-d8	107
4-Bromofluorobenzene	105

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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: 97080285
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080284

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	101
Toluene-d8	108
4-Bromofluorobenzene	101

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080284
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/20/97
Reported: 08/27/97

Laboratory Sample Number: 97080285
Laboratory Reference #: MWI 9467

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/20/97
Reported: 08/27/97

Laboratory Sample Number: 97080284
Laboratory Reference #: MWI 9467

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Recevied: 08/19/97
Analyzed: 08/27/97
Reported: 08/28/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (ug/l) (ppb)*
97080284	Equip Blank	N.D.
97080285	Rinsate Blank	N.D.

Detection Limit:	50

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

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: EPA 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Recevied: 08/19/97
Analyzed: 08/25/97
Reported: 08/27/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Extractable Hydrocarbons (mg/l)
97080284	Equip Blank	N.D.
97080285	Rinsate Blank	N.D.

Detection Limit:	0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/27/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080284	Equip Blank	N.D.
97080285	Rinsate Blank	N.D.

Detection Limit:	0.5

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

ORANGE COAST ANALYTICAL

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: Soil, B44-GS-5-2'

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/26/97

Laboratory Sample Number: 97080283
Laboratory Reference #: MWI 9467

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: Boeing (Formerly MDRC)
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, B44-GS-5-2'
Laboratory Sample #: 97080283
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Recevied: 08/19/97
Analyzed: 08/22/97
Reported: 08/29/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	0.7
C 13-22	5.8
C 23 & Higher	5.8
Total	12
Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Sample Description: Soil, B44-GS-5-2'
Laboratory Sample #: 97080283

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B44-GS-5-2'
Laboratory Sample Number: 97080283
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/26/97
Reported: 08/26/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Soil, B44-GS-5-2'
Laboratory Sample #: 97080283

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	96
Toluene-d8	104
4-Bromofluorobenzene	99

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

Client Project ID: Boeing (Formerly MDRC)
Client Project #: 1206035.01090010

Sample Description: Soil, B44-GS-5-2'
Laboratory Sample Number: 97080283
Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/26/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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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, B44-GS-5-2'

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/21/97
Reported: 08/26/97

Laboratory Sample Number: 97080283
Laboratory Reference #: MWI 9467

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	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	32	<---
Zinc	6010	250	5000	0.1	47	<---

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/20/97
Reported: 08/26/97

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (mg/kg) (ppm)*
97080283	B44-GS-5-2'	N.D.

Detection Limit:	5.0

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Recevied: 08/19/97
Analyzed: 08/22/97
Reported: 08/26/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Extractable Hydrocarbons (mg/kg)
97080283	B44-GS-5-2'	12

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9467

Sampled: 08/19/97
Received: 08/19/97
Analyzed: 08/20/97
Reported: 08/20/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080279	B44-GS-1-4'	N.D.
97080280	B44-GS-2-4'	N.D.
97080281	B44-GS-3-4'	N.D.
97080282	B44-GS-4-4'	N.D.
97080283	B44-GS-5-2'	N.D.

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

8270	100	5 0	88-06-2	T		ppb	2 4 6-Trichlorophenol		<	<	<				
							Tested	10/15/97	10/15/97	10/17/97	10/17/97		10/15/97		
							Dilution Factor	1	1	1	1				
8080	20	5 0	12674-11-2	T		ppb	PCB-1016	<	<	<	<				
8080	20	5 0	11104-28-2	T		ppb	PCB-1221	<	<	<	<				
8080	20	5 0	11141-16-5	T		ppb	PCB-1232	<	<	<	<				
8080	20	5 0	53469-21-9	T		ppb	PCB-1242	<	<	<	<				
8080	20	5 0	12672-29-6	T		ppb	PCB-1248	<	100	<	<				
8080	20	5.0	11097-69-1	T		ppb	PCB-1254	<	<	<	<				
8080	20	5 0	11096-82-5	T		ppb	PCB-1260	<	<	<	<		97100231	0 0	250
							Tested			10/17/97	10/17/97				
							Dilution Factor			1	1				
8080	1 0	0.1	309-00-2	T		ppb	Aldrin			<	<				
8080	1 0	0.2	319-84-6	T		ppb	alpha-BHC			<	<				
8080	1 0	0.2	319-85-7	T		ppb	beta-BHC			<	<				
8080	2 0	0 2	319-86-8	T		ppb	gamma-BHC			<	<				
8080	1 0	0 2	58-89-9	T		ppb	gamma-BHC (Lindane)			<	<				
8080	10	0.2	57-74-9	T		ppb	Chlordane			<	<				
8080	2 0	0.5	72-54-9	T		ppb	4,4'-DDD			<	<				
8080	5 0	0.1	72-55-9	T		ppb	4,4'-DDE			<	<				
8080	1 0	0.1	50-29-3	T		ppb	4,4'-DDT			<	<				
8080	2 0	0 5	60-57-1	T		ppb	Dieldrin			<	<				
8080	1 0	0 5	959-98-8	T		ppb	Endosulfan I			<	<				
8080	2 0	0 5	33213-65-9	T		ppb	Endosulfan II			<	<				
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate			<	<				
8080	2 0	0.02	72-20-8	T		ppb	Endrin			<	<				
8080	2 0	0 2	7421-93-4	T		ppb	Endrin aldehyde			<	<				
8080	1 0	0.1	76-44-8	T		ppb	Heptachlor			<	<				
8080	1 0	0.2	1024-57-3	T		ppb	Heptachlor epoxide			<	<				
8080	30	9.0	72-43-5	T		ppb	Methoxychlor			<	<				
8080	35	0.5	8001-35-2	T		ppb	Toxaphene			<	<				

BOE-C6-0146595

8270	100	5.0	95-57-8	T	ppb	2-Chlorophenol	<	<	<	97100213	0.0	100
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	<	<	<	97100213	0.0	50
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	<	<	<	97100213	0.0	50
8270	100	5.0	62-75-9	T	ppb	N-Nitrosodimethylamine	<	<	<			
8270	250	50	87-86-5	T	ppb	Pentachlorophenol	<	<	<	97100213	0.0	100
8270	100	5.0	85-01-8	T	ppb	Phenanthrene	<	<	<			
8270	100	5.0	108-95-2	T	ppb	Phenol	<	<	<	97100213	0.0	100
8270	100	5.0	129-00-0	T	ppb	Pyrene	<	<	<	97100213	0.0	50
8270	100	5.0	120-82-1	T	ppb	1,2,4-Trichlorobenzene	<	<	<	97100213	0.0	50
8270	100	5.0	95-95-4	T	ppb	2,4,5-Trichlorophenol	<	<	<			

BOE-C6-0146596

46	47	92	94	2	10/17/97 1 97100217	0 0	20	21	21	105	105	0
50	52	100	104	4	97100217	0 0	20	20	20	100	100	0
40	44	80	88	10	97100217	0 0	20	27	27	135	135	0
45	47	90	94	4	97100217	0 0	20	20	20	100	100	0
58	61	116	122	5	97100217	0 0	20	23	22	115	110	4

BOE-C6-0146597

					QC(W)							
SL	DL	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
95	105	95	105	10	10/20/97 OCA 100	0 0	2 5	2 5	2.4	100	96	4
27 0	36.0	90	120	29	10/15/97 97100234	0 00	3 00	2 80	3.00	93	100	7
11 0	11.0	110	110	0	97100234	0.00	1 00	1.20	1.10	120	110	9
17 0	17.0	103	103	0	97100234	0 00	1 00	1 10	1.00	110	100	10
0 88	0 90	88	90	2	97100234	0.00	0 100	0.093	0.091	93	91	2
0 93	0.97	93	97	4	97100234	0 00	0 100	0 10	0.10	100	100	0
0 98	1.00	98	100	2	10/15/97 97100234	0.00	0 50	0.44	0.45	88	90	2
6 90	7.10	90	94	3	10/15/97 97100234	0.00	0 500	0.57	0 58	114	112	2
1 40	1 40	86	86	0	97100234	0.00	0 100	0.11	0 11	110	110	0
1 70	1.80	80	90	6	97100234	0.00	0 100	0 098	0.096	98	96	2
8 50	8 20	85	82	4	97100234	0.00	1 00	1 00	0.94	100	94	6
0 019	0.020	95	100	5	10/15/97 OCA 100	0.000	0 020	0 020	0.021	100	105	5
9.9	9.8	99	98	1	10/15/97 97100234	0.00	1.00	0.89	0.90	89	90	1
5 30	5.20	90	88	2	97100234	0.00	0.50	0.47	0.49	94	98	4
9.3	11.0	93	110	17	97100234	0 00	1.00	0.84	0.75	84	75	11
4.3	5.0	86	100	15	97100234	0.00	0.50	0.57	0.59	114	118	3
26.0	26.0	87	87	0	97100234	0.00	3 00	3.00	2.90	100	97	3
7.1	7.6	90	100	7	97100234	0.00	0.50	0.47	0.48	94	96	2
9.6	9.7	96	98	1	97100234	0.00	0.500	0.590	0.580	118	116	2

66	70	66	70	6	OCA100	0.0	100	65	71	65	71	9
37	39	74	78	5	OCA100	0.0	50	26	29	52	58	11
40	41	80	82	2	OCA100	0.0	50	33	38	66	76	14
67	74	67	74	10	OCA100	0.0	100	64	74	64	74	14
59	63	59	63	7	OCA100	0.0	100	21	26	21	26	21
48	51	96	102	6	OCA100	0.0	50	41	46	82	92	11
41	45	82	90	9	OCA100	0.0	50	27	30	54	60	11

BOE-C6-0146599

40	43	80	86	7	OCA100	0.0	50	37	42	74	84	13
64	70	64	70	9	OCA100	0.0	100	56	64	56	64	13

BOE-C6-0146600

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr TAT or ASAP on all soil Analyses. Standard TAT otherwise

CUSTOMER INFORMATION

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

PROJECT INFORMATION

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

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37-GS-203-12'	2	10/14/97	1305	Soil	2 4"x6" SS Sleeve	Ice					X				24 hr TAT
B37-REG-SP1	2	↓	1342	↓	↓	↓	X	X	X	X	X				24 hr TAT (All analyses)
Equipment Blank	7	↓	1430	Water	4 amber poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			Standard TAT
Rinsate Blank	7	↓	1445	↓	↓	↓	X	X	X	X	X	X			Standard TAT
Trip Blank	2	↓		↓	2 VOAs	HCL			X						Standard TAT

Total No. of Samples: 5

Method of Shipment: 1 Cooler Via Orange Coast Couriers

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	10/14/97 1500		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: 10/14/97 15:00

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0146601

					10/17/97							
49	66	20	26	30	OCA 100 10/17/97	0.0	20	8 8	11	44	55	22
					OCA 100	0.0	1 0	0.80	0 72	80	72	11

BOE-C6-0146602

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		103	114	112	110			
					T	%	Toluene-d8		92	89	90	91			
					T	%	4-Bromofluorobenzene		94	95	92	95			
							Tested		10/15/97	10/17/97	10/17/97		10/15/97		
							Dilution Factor		1	1	1				
8270	100	5.0	83-32-9	T		ppb	Acenaphthene		<	<	<		97100213	0.0	50
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene		<	<	<				
8270	100	5.0	62-53-3	T		ppb	Aniline		<	<	<				
8270	100	5.0	120-12-7	T		ppb	Anthracene		<	<	<				
8270	500	50	65-85-0	T		ppb	Benzoic Acid		<	<	<				
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene		<	<	<				
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene		<	<	<				
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene		<	<	<				
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene		<	<	<				
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene		<	<	<				
8270	100	50	100-51-6	T		ppb	Benzyl alcohol		<	<	<				
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane		<	<	<				
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether		<	<	<				
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether		<	<	<				
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate		<	<	<				
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether		<	<	<				
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate		<	<	<				
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline		<	<	<				
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene		<	<	<				
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol		<	<	<		97100213	0.0	100

BOE-C6-0146603

							Tested	10/15/97	10/17/97	10/17/97	10/17/97	10/15/97		
							Dilution Factor	1	1	1	1			
8260	2 5	0 5	71-43-2	T		ppb	Benzene	<	<	<	<	97100214	0 0	50
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	<	<	<	<	97100214	0 0	50
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	<	<	<	<	97100214	0 0	50
8260	2 5	0 5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<			
8260	2 5	0 5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<			
8260	2 5	0 5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<			
8260	2 5	0 5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<			
8260	2 5	0 5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<			
8260	5 0	2 5	75-09-2	T		ppb	Methylene chloride	<	<	<	<			
8260	2 5	0 5	100-42-5	T		ppb	Styrene	<	<	<	<			
8260	2 5	0 5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<			
8260	2 5	0 5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<			
8260	2 5	0 5	108-88-3	T		ppb	Toluene	<	<	<	<	97100214	0 0	50
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	<	<	<	<	97100214	0.0	50
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	<	<	<	<			

BOE-C6-0146604

MWI 9650

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100231	97100232	97100233	97100234	97100235	QC(S) LAB SAMP NO	R1	T CONC
							SAMP TYPE	S	S	W	W	W			
							RES CODE	PP01	PP01	BF11	BR11	BT11			
							SAMP ID	B37-GS-203-12'	B37-RE6-SP1	EQUIP BLANK	RINSATE BLANK	TRIP BLANK			
							SAMP DATE	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97			
							SAMP TIME	13.05	13 42	14 30	14 45				
							SAMP DEPTH	12'							
							PRESERVED			N H	, N, H	, N, H			
							ICED	Y	Y	Y	Y	Y			
							RECEIVED	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97			
							REC TIME	15.00	15 00	15 00	15.00	15 00			
							BASIS	W	W	W	W	W			
							Tested		10/15/97	10/20/97	10/20/97		10/15/97		
418 1	8 0	0 5		T		ppm	Extractable Hydrocarbons		75	<	<		OCA 200	0 0	100
							Tested		10/15/97	10/15/97	10/15/97		10/15/97		
6010	5 0	0 5		T		ppm	Antimony		<	<	<			0 0	30.0
6010	1 0	0 1		T		ppm	Arsenic		13	<	<			0 0	10.0
6010	0 1	0 01		T		ppm	Barium		110	<	<			6 7	10.0
6010	0 1	0 01		T		ppm	Beryllium		<	<	<			0 00	1.00
6010	0 1	0.01		T		ppm	Cadmium		<	<	<			0.00	1.00
							Tested		10/15/97	10/15/97	10/15/97		10/15/97		
7196	0.5	0.01		T		ppm	Chromium (VI)		<	<	<		97100232	0.00	1.00
							Tested		10/15/97	10/15/97	10/15/97		10/15/97		
6010	0.1	0.01		T		ppm	Chromium Total		29	<	<		97100213	2 40	5.00
6010	0 5	0 1		T		ppm	Cobalt		8 4	<	<		97100213	0 54	1 00
6010	0 1	0.01		T		ppm	Copper		17	<	<		97100213	0.90	1 00
6010	1 0	0.1		T		ppm	Lead		<	<	<		97100213	0.00	10.0
							Tested		<	<	<		10/15/97		
7471	0.01	0.002		T		ppm	Mercury		<	<	<		97100232	0 000	0.020
							Tested		<	<	<		10/15/97		
6010	0.5	0 1		T		ppm	Molybdenum		<	<	<		97100213	0.0	10.0
6010	0 5	0 1		T		ppm	Nickel		14	<	<		97100213	0.80	5 0
6010	1 0	0.1		T		ppm	Selenium		<	<	<		97100213	0.0	10.0
6010	0.1	0.1		T		ppm	Silver		<	<	<		97100213	0.0	5.0
6010	5.0	0.5		T		ppm	Thallium		<	<	<		97100213	0.0	30.0
6010	0.5	0 1		T		ppm	Vanadium		34	<	<		97100213	2.6	5.0
6010	0.1	0.01		T		ppm	Zinc		44	<	<		97100213	4.8	5.0
STLC				S		ppm									
TCLP				C		ppm									

BOE-C6-0146605

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.0109001

Project Name: The Boeing Company

Laboratory Reference: MWI 9650

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

Date Sampled: 10/14/97
Date Received: 10/14/97
Date Reported: 10/21/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL
Authorized: 26 MAR 96
Instrument: GC/ECD-PVB

Sampled: 25 MAR 96
Prepared: 28 MAR 96
Dilution: 20

Received: 25 MAR 96
Analyzed: 04 APR 96

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		670	ug/kg
Aroclor 1221	ND		670	ug/kg
Aroclor 1232	ND		670	ug/kg
Aroclor 1242	ND		670	ug/kg
Aroclor 1248	9800		670	ug/kg
Aroclor 1254	ND		670	ug/kg
Aroclor 1260	ND		670	ug/kg

Surrogate	Recovery		Acceptable Range	
2,4,5,6-Tetrachloro-m-xylene	0.0	%	60 - 150	H
Decachlorobiphenyl	0.0	%	60 - 150	H

H = Surrogate not detected because of required sample dilution.
ND = Not Detected

Quanterra
Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL
Authorized: 26 MAR 96
Instrument: VOA

Sampled: 25 MAR 96
Prepared: 02 APR 96
Dilution: 1.0

Received: 25 MAR 96
Analyzed: 02 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	66	%	11 - 113

ND = Not Detected

Quanterra
Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL
Authorized: 26 MAR 96

Sampled: 25 MAR 96
Prepared: See Below

Received: 25 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	170		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.80		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	35.9		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	18.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	30.6		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	7.8		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.060		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	26.9		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	68.3		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR [illegible]
Zinc	75.7		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 AI
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

TRPH (EPA Method 418.1) & TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
3E2- 5	4/5/96	ND	–
3E2-10	4/5/96	ND	–
3F-1- 5.5'	3/26/96	ND	–
3F-1-10.5'	3/26/96	ND	–
3F-2- 5.5'	3/26/96	ND	–
3F-2-10.5'	3/26/96	ND	–
3F-3- 5.5'	3/26/96	ND	–
3F-3-10.5'	3/26/96	ND	–
3G- 5	4/5/96	5,700	–
3G-10	4/5/96	ND	–
3H- 5	4/5/96	ND	–
3H-10	4/5/96	ND	–
3I-1-6.0	3/26/96	ND	–
3I-1-11.0	3/26/96	ND	–
3I-2-6.0	3/26/96	ND	–
3I-2-10.0	3/26/96	ND	–
3J-1-10	3/27/96	ND	–
3J-1-15	3/27/96	ND	–
3J-2-10	3/26/96	23	–
3J-2-15	3/26/96	ND	–
3K-1-10	3/26/96	ND	–
3K-1-15	3/26/96	ND	–
3K-2-10	3/27/96	ND	–
3K-2-10 DUP	3/27/96	ND	–
3K-2-15	3/27/96	ND	–
3L-1-6.0	3/26/96	ND	–
3L-1-11.0	3/26/96	ND	–
3L-2-6.0	3/26/96	ND	–
3L-2-11.0	3/26/96	ND	–
3M-1-10	3/27/96	ND	–
3M-1-15	3/27/96	ND	–
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667, 1745 & 1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT, MS. WINA SEISS & MR. BO SMITH
DATA REVIEWED BY: Wayne Hartman
4-19-96

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1

REQUIRED TAT: SEE REMARKS

BOE-C6-0146611

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strayss	NUMBER:	1206035.01090010
ADDRESS:	250 N. Madison Ave. Pasadena, CA 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	(626) 568-6582 FAX: (626) 568-6515	SAMPLED BY:	IV, CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37-GS-206-5'	2	10/28/97	1110	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					Rush 24 hr TAT or ASAP
B37-GS-207-5'	2	10/28/97	1335	↓	↓		X	X							Rush 24 hr TAT or ASAP
Equipment Blank	7	10/28/97	1450	WATER	Amber Poly 2 VOAs	none HCl	X	X	X	X	X	X			Standard TAT
Rinsate Blank	7	10/28/97	1505	↓	↓	↓	X	X	X	X	X	X			↓
Trip Blank	2	10/28/97	—	↓	2 VOAs	HCl			X						

Total No. of Samples: 5		Method of Shipment: 1 cooler via Orange Coast Analytical	
Relinquished By: Ivan Vargas	Date/Time: 10/28/97 1515	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 10/28/97 15:15

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

Sample Integrity: (check)
Intact _____ on ice _____

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

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 10/30/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please perform Carbon Chain analyses on the following samples on rush turn-around time:

B37-GS-206-5'
B37-GS-207-5'

Also, please analyze the following sample for VOCs (8260), SVOCs (8270), and PCBs (8080) on standard turn-around time:

B37-GS-209-10'

Please call me at (626) 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.

			11/03/97 OCA100	0 0	1 0	0 57	0 56	57	56	2
57	63	10								

BOE-C6-0146613

74	76	3	OCA100	0 0	50	39	37	78	74	5
80	77	4	OCA100	0 0	100	74	73	74	73	1
72	73	1	OCA100	0 0	100	23	20	23	20	14
120	112	7	OCA100	0 0	50	45	44	90	88	2
76	76	0	OCA100	0 0	50	45	41	90	82	9
			11/03/97 OCA100	0 0	20	15	16	75	80	6

BOE-C6-0146614

			10/30/97							
88	88	0	OCA100	0 0	50	46	44	92	88	4
73	72	1	OCA100	0 0	100	68	65	68	65	5
75	77	3	OCA100	0 0	100	73	72	73	72	1
80	80	0	OCA100	0 0	50	40	40	80	80	0

BOE-C6-0146615

106	100	6	97100417	0 0	20	18	18	90	90	0
98	96	2	97100417	0 0	20	15	15	75	75	0
80	74	8	97100417	0 0	20	19	19	95	95	0
100	100	0	97100417	0 0	20	17	17	85	85	0

BOE-C6-0146616

			QC(W)							
RECOVER	D RECOVE	RPD	LAB SAMP NO	R1	1 CONC	SL[8]	DL[8]	RECOVER	D RECOVE	RPD
107	114	6	11/03/97 OCA 100	0 0	2 5	2 4	2 3	96	92	4
100	100	0	11/05/97 97100416	0 00	3 00	3 20	3 20	107	107	0
100	110	10	97100416	0 00	1 00	1 10	1 20	110	120	9
90	100	4	97100416	0 000	1 000	1 100	1 100	110	110	0
100	100	0	97100416	0 00	0 100	0 10	0 10	100	100	0
110	110	0	97100416	0 00	0 100	0 11	0 11	110	110	0
110	110	0	10/29/97 97100416	0 00	0 50	0 51	0 53	102	106	4
92	90	1	11/05/97 97100416	0 00	0 500	0 560	0 570	112	114	2
90	90	0	97100416	0 00	0 100	0 097	0 100	97	100	3
90	90	0	97100416	0 000	0 100	0 100	0 110	100	110	10
89	98	10	97100416	0 00	1 00	1 00	1 10	100	110	10
100	95	5	11/04/97 OCA 100	0 000	0 020	0 017	0.018	85	90	6
100	100	0	11/05/97 97100416	0 00	1 00	1 10	1 10	110	110	0
84	80	4	97100416	0 00	0 50	0 48	0 50	96	100	4
110	120	9	97100416	0 00	1 00	1 20	1 10	120	110	9
84	98	15	97100416	0 00	0 50	0 50	0 53	100	106	6
100	100	0	97100416	0 00	3 00	3 40	3 50	113	117	3
96	106	6	97100416	0 00	0 50	0 54	0 53	108	106	2
90	96	3	97100416	0 000	0 500	0 53	0 56	106	112	6
94	90	4	10/30/97 1 97100417	0 0	20	18	18	90	90	0

BOE-C6-0146617

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	10/31/97	10/31/97								
8015m				T		ppm	Up to & Including C 12	<	11								
8015m				T		ppm	C13-22	130	1,500								
8015m				T		ppm	C23 & Higher	140	4,100								
							Tested						10/31/97				
8015m	8	1		T		ppm	Diesel						OCA 200	0 0	100	57	63

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

BOE-C6-0146618

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	37	38	
8270	100	5 0	62-75-9	T		ppb	N-Nitrosodimethylamine	<		<	<						
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<		<	<	OCA200	0 0	100	80	77	
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<		<	<						
8270	100	5 0	108-95-2	T		ppb	Phenol	<		<	<	OCA200	0 0	100	72	73	
8270	100	5 0	129-00-0	T		ppb	Pyrene	<		<	<	OCA200	0 0	50	60	56	
8270	100	5 0	120-82-1	T		ppb	1,2 4-Trichlorobenzene	<		<	<	OCA200	0 0	50	38	38	
8270	100	5 0	95-95-4	T		ppb	2 4,5-Trichlorophenol	<		<	<						
8270	100	5 0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<		<	<						
							Tested			11/03/97	11/03/97						
							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			<	<						
							Tested			11/03/97	11/03/97						
							Dilution Factor			1	1						

BOE-C6-0146619

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	108		106	104	105					
					T	%	Toluene-d8	83		108	108	107					
					T	%	4-Bromofluorobenzene	84		103	103	103					
							Tested	10/29/97		10/30/97	10/30/97		10/29/97				
							Dilution Factor	1		1	1						
8270	100	5 0	83-32-9	T		ppb	Acenaphthene	<		<	<		OCA200	0 0	50	44	44
8270	100	5 0	208-96-8	T		ppb	Acenaphthylene	<		<	<						
8270	100	5 0	62-53-3	T		ppb	Aniline	<		<	<						
8270	100	5 0	120-12-7	T		ppb	Anthracene	<		<	<						
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<		<	<						
8270	100	5 0	56-55-3	T		ppb	Benzo (a) anthracene	<		<	<						
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene	<		<	<						
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene	<		<	<						
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene	<		<	<						
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene	<		<	<						
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<		<	<						
8270	100	5 0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<		<	<						
8270	100	5 0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<		<	<						
8270	100	5 0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<		<	<						
8270	100	3 0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<		<	<						
8270	100	5 0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<		<	<						
8270	100	5 0	85-68-7	T		ppb	Butyl benzyl phthalate	<		<	<						
8270	100	5 0	106-47-8	T		ppb	4-Chloroaniline	<		<	<						
8270	100	5 0	91-58-7	T		ppb	2-Chloronaphthalene	<		<	<						
8270	100	5 0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<		<	<		OCA200	0 0	100	73	72
8270	100	5 0	95-57-8	T		ppb	2-Chlorophenol	<		<	<		OCA200	0 0	100	75	77
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	<		<	<		OCA200	0 0	50	40	40
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	<		<	<						

BOE-C6-0146620

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	<		<	<	<	97100413	0 0	50	53	50	
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	<		<	<	<	97100413	0 0	50	49	48	
8260	2 5	0 5	156-60-5	T	ppb	Trans 1 2-Dichloroethene	<		<	<	<						
8260	2 5	0 5	78-87-5	T	ppb	1 2-Dichloropropane	<		<	<	<						
8260	2 5	0 5	10061-01-5	T	ppb	cis-1,3-Dichloropropene	<		<	<	<						
8260	2 5	0 5	10061-02-6	T	ppb	trans-1,3-Dichloropropene	<		<	<	<						
8260	2 5	0 5	100-41-4	T	ppb	Ethylbenzene	<		<	<	<						
8260	5 0	2 5	75-09-2	T	ppb	Methylene chloride	<		<	<	<						
8260	2 5	0 5	100-42-5	T	ppb	Styrene	<		<	<	<						
8260	2 5	0 5	79-34-5	T	ppb	1,1 2 2-Tetrachloroethane	<		<	<	<						
8260	2 5	0 5	127-18-4	T	ppb	Tetrachloroethene	<		<	<	<						
8260	2 5	0 5	108-88-3	T	ppb	Toluene	<		<	<	<	97100413	0 0	50	40	37	
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	<		<	<	<	97100413	0 0	50	50	50	
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	<		<	<	<						

BOE-C6-0146621

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97100413	97100414	97100415	97100416	97100417	LAB SAMP NO	R1	T CONC	SL[a]	DL[b]
							SAMP TYPE	S	S	W	W	W	QC(S)				
							RES CODE	PP01	PP01	BF11	BR11	BT11					
							SAMP ID	B37-GS-206-5'	B37-GS-207-5'	EQUIP BLANK	RINSATE BLANK	TRIP BLANK					
							SAMP DATE	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97					
							SAMP TIME	11 10	13 35	14 50	15 05						
							SAMP DEPTH										
							PRESERVED			N, H	N, H	N H					
							ICED	Y	Y	Y	Y	Y					
							RECEIVED	10/28/97	10/28/97	10/28/97	10/28/97	10/28/97					
							REC TIME	15 15	15 15	15 15	15.15	15 15					
							BASIS	W	W	W	W	W					
							Tested	10/29/97	10/29/97	11/03/97	11/03/97		10/29/97				
418 1	8 0	0 5		T		ppm	Extractable Hydrocarbons	15,000	20 000	<	<		OCA200	0 0	100	107	114
							Tested	10/29/97	10/29/97	11/05/97	11/05/97		10/29/97				
6010	5 0	0 5		T		ppm	Antimony	<		<	<		97100413	0 0	30 0	30 0	30 0
6010	1 0	0 1		T		ppm	Arsenic	<		<	<		97100413	0 0	10 0	10 0	11 0
6010	0 1	0 01		T		ppm	Barium	150	100	<	<		97100413	15 0	10 0	24 0	25 0
6010	0 1	0 01		T		ppm	Beryllium	<		<	<		97100413	0 00	1 00	1 00	1 00
6010	0 1	0 01		T		ppm	Cadmium	<		<	<		97100413	0 00	1 00	1 10	1 10
							Tested	10/29/97	10/29/97	10/29/97	10/29/97		10/29/97				
7196	0 5	0 01		T		ppm	Chromium (VI)	<	<	<	<		97100414	0 00	1 00	1 1	1 1
							Tested	10/29/97	10/29/97	11/05/97	11/05/97		10/29/97				
6010	0 1	0 01		T		ppm	Chromium Total	29	29	<	<		97100413	2 9	5 0	7 5	7 4
6010	0 5	0 1		T		ppm	Cobalt	15	7 0	<	<		97100413	1 50	1 00	2 40	2 40
6010	0 1	0 01		T		ppm	Copper	12	13	<	<		97100413	1 20	1 00	2 10	2 10
6010	1 0	0 1		T		ppm	Lead	<	<	<	<		97100413	0 00	10 0	8 90	9 80
							Tested	10/29/97	10/29/97	11/04/97	11/04/97		10/29/97				
7471	0.01	0 002		T		ppm	Mercury	<	<	<	<		97100414	0 000	0 020	0 020	0 019
							Tested	10/29/97	10/29/97	11/05/97	11/05/97		10/29/97				
6010	0 5	0 1		T		ppm	Molybdenum	<	<	<	<		97100413	0 0	10 0	10 0	10 0
6010	0 5	0 1		T		ppm	Nickel	13	9 7	<	<		97100413	1 3	5 0	5 5	5 3
6010	1.0	0 1		T		ppm	Selenium	<	<	<	<		97100413	0 0	10 0	11 0	12 0
6010	0 1	0 1		T		ppm	Silver	<	<	<	<		97100413	0.0	5 0	4 2	4 9
6010	5 0	0 5		T		ppm	Thallium	<	<	<	<		97100413	0 0	30 0	30 0	30 0
6010	0 5	0 1		T		ppm	Vanadium	30	30	<	<		97100413	3 0	5 0	7 8	8 3
6010	0 1	0 01		T		ppm	Zinc	40	50	<	<		97100413	4 0	5 0	8 5	8 8
STLC				S		ppm											
TCLP				C		ppm											
							Tested	10/29/97		10/30/97	10/30/97	10/30/97	10/29/97				
							Dilution Factor	1		1	1	1	1				
8260	2 5	0.5	71-43-2	T		ppb	Benzene	<		<	<	<	97100413	0 0	50	47	45

BOE-C6-0146622

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9687

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

Date Sampled: 10/28/97
Date Received: 10/28/97
Date Reported: 11/05/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

Appendix B

MONTGOMERY WATSON

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9711

Analytical Method: EPA 418.1, 8260, 8270, 8080, Title 22 Metals , 8015m , CCID

Date Sampled: 11/11/97
Date Received: 11/11/97
Date Reported: 11/19/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97110066	97110067	97110068	97110069	97110070	97110071	97110072	97110073
							SAMP TYPE	S	S	S	S	S	S	S	W
							RES CODE	PP01	PP01	PP01	PP01	PP01	PP01	PP01	BF11
							SAMP ID	WL-GS-13-5'	WL-GS-14-4'	WL-GS-15-5'	WL-GS-16-5'	WL-GS-17-6'	PL-GS-16-2'	PL-GS-17-3'	EQUIP BLANK
							SAMP DATE	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97
							SAMP TIME	9:30	9.40	9:50	10.05	10:15	13:15	13:45	14:35
							SAMP DEPTH	5'	4'	5'	5'	6'	2'	3'	
							PRESERVED								, N, H
							ICED	Y	Y	Y					Y
							RECEIVED	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97	11/11/97
							REC TIME	15:00	15:00	15:00	15:00	15:00	15:00	15:00	15:00
							BASIS	W	W	W	W	W	W	W	W
							Tested	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/14/97
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	250	<	<	66	<	200	110	<
							Tested	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/13/97
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<	<	<	<	<
6010	1.0	0.1		T		ppm	Arsenic	5.3	1.2	1.6	4.1	1.4	1.8	2.5	<
6010	0.1	0.01		T		ppm	Barium	87	100	110	90	95	110	110	<
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<	<	<	<	<
6010	0.1	0.01		T		ppm	Cadmium	0.61	<	<	0.52	<	<	<	<
							Tested	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<	<	<	<	<
							Tested	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/13/97
6010	0.1	0.01		T		ppm	Chromium Total	22	16	18	22	15	17	19	<
6010	0.5	0.1		T		ppm	Cobalt	7.4	7.1	7.4	7.6	8.5	8.5	9.3	<
6010	0.1	0.01		T		ppm	Copper	26	15	16	29	15	22	22	<
6010	1.0	0.1		T		ppm	Lead	10	2.4	2.6	15	2.3	4.6	3.7	<
							Tested	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<	<	<	<	<
							Tested	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/14/97	11/13/97
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<	<	<	<	<
6010	0.5	0.1		T		ppm	Nickel	12	12	12	12	10	12	12	<
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	29	31	34	29	32	34	36	<
6010	0.1	0.01		T		ppm	Zinc	46	31	33	52	30	35	40	<
							Tested								
STLC		5.0		S		ppm	Antimony								
		1.0		S		ppm	Arsenic								
		0.1		S		ppm	Barium								
		0.1		S		ppm	Beryllium								
		0.1		S		ppm	Cadmium								
		0.5		S		ppm	Chromium (VI)								
		0.1		S		ppm	Chromium Total								
		0.5		S		ppm	Cobalt								
		0.1		S		ppm	Copper								

BOE-C6-0146626

		1.0		S		ppm	Lead								
		0.01		S		ppm	Mercury								
		0.5		S		ppm	Molybdenum								
		0.5		S		ppm	Nickel								
		1.0		S		ppm	Selenium								
		0.1		S		ppm	Silver								
		5.0		S		ppm	Thallium								
		0.5		S		ppm	Vanadium								
		0.1		S		ppm	Zinc								
							Tested								
TCLP		5.0		C		ppm	Antimony								
		1.0		C		ppm	Arsenic								
		0.1		C		ppm	Barium								
		0.1		C		ppm	Beryllium								
		0.1		C		ppm	Cadmium								
		0.5		C		ppm	Chromium (VI)								
		0.1		C		ppm	Chromium Total								
		0.5		C		ppm	Cobalt								
		0.1		C		ppm	Copper								
		1.0		C		ppm	Lead								
		0.01		C		ppm	Mercury								
		0.5		C		ppm	Molybdenum								
		0.5		C		ppm	Nickel								
		1.0		C		ppm	Selenium								
		0.1		C		ppm	Silver								
		5.0		C		ppm	Thallium								
		0.5		C		ppm	Vanadium								
		0.1		C		ppm	Zinc								
							Tested	11/14/97	11/14/97	11/14/97	11/14/97	11/17/97	11/12/97	11/12/97	11/13/97
							Dilution Factor	1	1	1	1	1	1	1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<	<	<	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<	<	<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<	<	<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<	<	<	<

BOE-C6-0146627

8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<	<	<	<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<	<	<	<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	<	<	<	<	<	<	<	<
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<	<	<	<	<	<	<
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<	<	<	<	<	<	<
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<	<	<	<	<	<	<
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	<	<	<	<	<	<	<	<
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<	<	<	<
					T	%	Dibromofluoromethane	99	96	98	98	92	101	99	100
					T	%	Toluene-d8	106	107	110	107	107	103	107	108
					T	%	4-Bromofluorobenzene	96	102	100	88	96	92	99	97
							Tested	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97
							Dilution Factor	1	1	1	1	1	1	1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	310	<	<	<	<	<	<	<
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	540	<	<	<	<	<	<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<	<	<	<	<

BOE-C6-0146628

8270	100	5.0	56-55-3	T	ppb	Benzo (a) anthracene	460	<	<	<	<	<	<	<
8270	250	25	205-99-2	T	ppb	Benzo (b) fluoranthene	280	<	<	<	<	<	<	<
8270	250	25	207-08-9	T	ppb	Benzo (k) fluoranthene	370	<	<	<	<	<	<	<
8270	250	25	191-24-2	T	ppb	Benzo (g,h,i)perylene	<	<	<	<	<	<	<	<
8270	250	25	50-32-8	T	ppb	Benzo (a) pyrene	420	<	<	<	<	<	<	<
8270	100	50	100-51-6	T	ppb	Benzyl alcohol	<	<	<	<	<	<	<	<
8270	100	5.0	111-91-1	T	ppb	Bis(2-chloroethoxy)methane	<	<	<	<	<	<	<	<
8270	100	5.0	111-44-4	T	ppb	Bis(2-chloroethyl)ether	<	<	<	<	<	<	<	<
8270	100	5.0	39638-32-9	T	ppb	Bis(2-chloroisopropyl)ether	<	<	<	<	<	<	<	<
8270	100	3.0	117-81-7	T	ppb	Bis(2-ethylhexyl)phthalate	<	<	<	<	<	<	<	<
8270	100	5.0	101-55-3	T	ppb	4-Bromophenyl phenyl ether	<	<	<	<	<	<	<	<
8270	100	5.0	85-68-7	T	ppb	Butyl benzyl phthalate	<	<	<	<	<	<	<	<
8270	100	5.0	106-47-8	T	ppb	4-Chloroaniline	<	<	<	<	<	<	<	<
8270	100	5.0	91-58-7	T	ppb	2-Chloronaphthalene	<	<	<	<	<	<	<	<
8270	100	5.0	59-50-7	T	ppb	4-Chloro-3-methylphenol	<	<	<	<	<	<	<	<
8270	100	5.0	95-57-8	T	ppb	2-Chlorophenol	<	<	<	<	<	<	<	<
8270	100	5.0	7005-72-3	T	ppb	4-Chlorophenyl phenyl ehter	<	<	<	<	<	<	<	<
8270	100	5.0	218-0109	T	ppb	Chrysene	480	<	<	110	<	<	<	<
8270	100	25	53-70-3	T	ppb	Dibenz(a,h)anthracene	<	<	<	<	<	<	<	<
8270	100	5.0	132-64-9	T	ppb	Dibenzofuran	470	<	<	<	<	<	<	<
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	1,400	<	<	110	<	<	<	<
8270	100	5.0	86-73-7	T	ppb	Fluorene	600	<	<	<	<	<	<	<
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	250	<	<	<	<	<	<	<
8270	100	5.0	78-59-1	T	ppb	Isophorone	<	<	<	<	<	<	<	<
8270	100	5.0	91-57-6	T	ppb	2-Methylnaphthalene	620	<	<	<	<	<	<	<
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	3,500	<	<	<	<	<	<	<
8270	250	50	88-74-4	T	ppb	2-Nitroaniline	<	<	<	<	<	<	<	<
8270	250	50	99-09-2	T	ppb	3-Nitroaniline	<	<	<	<	<	<	<	<
8270	250	50	100-01-6	T	ppb	4-Nitroaniline	<	<	<	<	<	<	<	<
8270	100	5.0	98-95-3	T	ppb	Nitrobenzene	<	<	<	<	<	<	<	<
8270	100	5.0	88-75-5	T	ppb	2-Nitrophenol	<	<	<	<	<	<	<	<
8270	100	50	100-02-7	T	ppb	4-Nitrophenol	<	<	<	<	<	<	<	<
8270	100	5.0	86-30-6	T	ppb	N-Nitrosodiphenylamine	<	<	<	<	<	<	<	<

BOE-C6-0146629

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	2,100	<	<	<	<	<	<	<
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<	<	<	<	<	<	<
8270	100	5.0	129-00-0	T		ppb	Pyrene	1,100	<	<	110	<	<	<	<
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<	<	<	<	<	<	<
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<	<	<	<	<	<	<
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<	<	<	<	<	<	<
							Tested	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/12/97	11/18/97
							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	50	<	<	<	<	<	35	<
							Tested								11/17/97
							Dilution Factor								1
8080	1.0	0.1	309-00-2	T		ppb	Aldrin								<
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC								<
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC								<
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC								<
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)								<
8080	10	0.2	57-74-9	T		ppb	Chlordane								<
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD								<
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE								<
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT								<
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin								<
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I								<
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II								<
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate								<
8080	2.0	0.02	72-20-8	T		ppb	Endrin								<
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde								<
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor								<
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide								<
8080	30	9.0	72-43-5	T		ppb	Methoxychlor								<
8080	35	0.5	8001-35-2	T		ppb	Toxaphene								<
							Tested	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	
8015m				T		ppm	Up to & Including C-12	0.93	<	<	<	<	3.9	<	
8015m				T		ppm	C13-22	22	<	<	32	<	79	18	
8015m				T		ppm	C23 & Higher	78	<	<	72	<	21	35	
8015m	8.0	0.5				ppm	Total	100	<	<	100	<	100	53	
							Tested	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97	11/13/97
8015m	8.0	0.5		T		ppm	Diesel	<	<	<	<	<	100	<	<
							Tested	11/17/97	11/17/97	11/17/97	11/17/97	11/17/97	11/17/97	11/17/97	11/17/97

BOE-C6-0146630

MWI 9711

8015m	5.0	0.05		T		ppm	Gas	<	<	<	<	<	<	<	<
9060	5.0	1.0		T		ppm	*Tested* TOC								
9081	1.0	1.0		T		ppm	*Tested* Cation Exchange Capacity								

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

BOE-C6-0146631

MWI 9711

		QC(S)								QC(W)								QC(S2)		
W BR11 RINSATE BLANK 11/11/97 14:45 , N, H Y 11/11/97 15:00 W	W BT11 TRIP BLANK 11/11/97 , N, H Y 11/11/97 15:00 W																			
97110074	97110075	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC
11/14/97		11/12/97								11/14/97										
<		97100440	0.0	100	100	100	100	100	0	OCA 100	0.0	2.5	2.2	2.1	88	84	5			
11/13/97		11/14/97								11/13/97										
<		97110066	0.0	30.0	27.2	27.3	91	91	0	97110073	0.00	3.00	3.01	3.06	100	102	2			
<		97110066	0.5	10.0	9.7	9.7	91	91	0	97110073	0.00	1.00	1.00	1.02	100	102	2			
<		97110066	8.7	10.0	17.0	17.1	83	84	1	97110073	0.00	0.100	0.102	0.103	102	103	1			
<		97110066	0.00	1.00	0.84	0.84	84	84	0	97110073	0.00	0.100	0.10	0.10	101	102	1			
<		97110066	0.08	1.00	0.95	0.95	87	87	0	97110073	0.00	0.100	0.10	0.10	100	102	2			
11/12/97		11/12/97								11/12/97										
<		97110067	0.00	1.00	1.00	1.00	100	100	0	97110074	0.00	0.50	0.51	0.50	102	100	2			
11/13/97		11/14/97								11/13/97										
<		97110066	2.20	5.00	6.55	6.59	87	88	1	97110073	0.00	0.100	0.10	0.10	99	101	2			
<		97110066	0.74	1.00	1.55	1.54	81	80	1	97110073	0.00	0.100	0.10	0.10	102	104	2			
<		97110066	2.60	1.00	3.54	3.56	94	96	1	97110073	0.00	0.100	0.104	0.105	104	105	1			
<		97110066	0.96	10.0	9.75	9.79	88	88	0	97110073	0.00	1.00	0.98	0.99	98	99	2			
11/14/97		11/14/97								11/14/97										
<		97110068	0.00	0.020	0.021	0.022	105	110	5	OCA100	0.00	0.020	0.023	0.022	115	110	4			
11/13/97		11/14/97								11/13/97										
<		97110066	0.0	10.0	8.2	8.3	82	83	1	97110073	0.00	1.00	0.99	1.02	99	102	3			
<		97110066	1.20	5.00	5.86	5.94	93	95	1	97110073	0.00	0.50	0.51	0.52	103	104	1			
<		97110066	0.0	10.0	9.8	9.8	98	98	0	97110073	0.00	1.00	0.98	1.03	98	103	5			
<		97110066	0.0	5.0	4.3	4.3	86	86	0	97110073	0.00	0.50	0.51	0.52	102	104	2			
<		97110066	0.0	30.0	30.9	31.0	103	103	0	97110073	0.00	3.00	2.91	2.93	97	98	1			
<		97110066	2.9	5.0	7.0	7.0	82	82	0	97110073	0.00	0.50	0.50	0.51	100	101	1			
<		97110066	4.8	5.0	8.8	8.9	80	82	1	97110073	0.00	0.100	0.102	0.104	102	104	2			

BOE-C6-0146632

11/13/97	11/13/97	11/12/97								11/13/97								11/14/97		
1	1																			
<	<	97110072	0.0	50	51	54	102	108	6	97110049	0.0	20	19	20	95	100	5	OCA 200	0.0	50
<	<																			
<	<																			
<	<																			
<	<																			
<	<																			
<	<	97110072	0.0	50	49	51	98	102	4	97110049	0.0	20	18	19	90	95	5	OCA 200	0.0	50
<	<																			
<	<																			
<	<																			
<	<																			
<	<																			
<	<																			
<	<																			
<	<	97110072	0.0	50	60	62	120	124	3	97110049	0.0	20	20	23	100	115	14	OCA 200	0.0	50
<	<																			
<	<																			
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BOE-C6-0146633

< < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <	< < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < < <																			
		97110072	0.0	50	53	55	106	110	4	97110049	0.0	20	19	21	95	105	10	OCA 200	0.0	50
		97110072	0.0	50	51	53	102	106	4	97110049	0.0	20	17	19	85	95	11	OCA 200	0.0	50
102 108 102	97 110 100																			
11/13/97 1 < < < < <		11/13/97 97110068	0.0	50	40	39	80	78	3	11/13/97 OCA100	0.0	50	41	39	82	78	5			

MWI 9711

<		97110068	0.0	100	74	66	74	66	11	OCA100	0.0	100	55	52	55	52	6			
<		97110068	0.0	100	64	64	64	64	0	OCA100	0.0	100	65	64	65	64	2			
<		97110068	0.0	50	36	36	72	72	0	OCA100	0.0	50	28	26	56	52	7			

<		97110068	0.0	50	41	37	82	74	10	OCA100	0.0	50	37	42	74	84	13						
<																							
<		97110068	0.0	100	73	68	73	68	7	OCA100	0.0	100	72	69	72	69	4						
<																							
<		97110068	0.0	100	60	60	60	60	0	OCA100	0.0	100	19	19	19	19	0						
<		97110068	0.0	50	40	38	80	76	5	OCA100	0.0	50	40	40	80	80	0						
<		97110068	0.0	50	39	37	78	74	5	OCA100	0.0	50	27	25	54	50	8						
<																							
<																							
11/18/97		11/12/97								11/18/97													
1																							
<																							
<																							
<																							
<																							
<																							
<		OCA200	0.0	250	92	68	37	27	30														
<										OCA100	0.0	20	7.1	9.5	36	48	29						
11/17/97										11/17/97													
1																							
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<																							
<																							
<																							
<										OCA100	0.0	1.0	0.58	0.59	58	59	2						
<																							
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11/13/97		11/13/97								11/13/97													
<		OCA 200	0.0	100	75	68	75	68	10	OCA 100	0.0	5	4.4	3.8	88	76	15						
11/17/97		11/17/97								11/17/97													

BOE-C6-0146636

MWI 9711

<		OCA200	0 0	50	51	55	102	110	8	97110073	0.0	0.250	0.264	0.230	106	92	14			

BOE-C6-0146637

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

BOE-C6-0146638

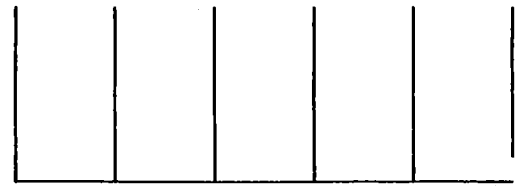
53	53	106	106	0
49	50	98	100	2
59	60	118	120	2

BOE-C6-0146639

58	57	112	114	2
50	50	100	100	0

BOE-C6-0146640

BOE-C6-0146641



BOE-C6-0146643

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on Soil TRPH and PL-GRO; 5 day TAT on Soil Otherwise. Standard TAT on Water

CUSTOMER INFORMATION

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

PROJECT INFORMATION

PROJECT NAME: The Boeing Company
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA 90501
SAMPLED BY: IV/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	Carbon Chain	8015 Gasoline	8015 Diesel	REMARKS/PRECAUTIONS
WL-GS-13-5'	2	11/11/97	0930	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X	X		X	X	X	
WL-GS-14-4'	2	11/11/97	0940				X	X	X	X	X		X	X	X	
WL-GS-15-5'	2	11/11/97	0950				X	X	X	X	X		X	X	X	
WL-GS-16-5'	2	11/11/97	1005				X	X	X	X	X		X	X	X	
WL-GS-17-6'	2	11/11/97	1015				X	X	X	X	X		X	X	X	
PL-GS-16-2'	2	11/11/97	1315				X	X	X	X	X		X	X	X	
PL-GS-17-3'	2	11/11/97	1345				X	X	X	X	X		X	X	X	
Equipment Blank	9	11/11/97	1435	WATER	Amber Poly & VOAs	none and HCl	X	X	X	X	X	X		X	X	
Rinsate Blank	9	11/11/97	1445				X	X	X	X	X	X		X	X	
Trip Blank	2	11/11/97	—		2 VOAs	HCl			X							

Total No. of Samples: 10

Method of Shipment: 1 Cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	11/11/97 1500		

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

Received For Lab By: [illegible] Date/Time: 11/12/97 15:00

Sample Integrity: (check)
Intact ✓ on ice ✓

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

BOE-C6-0146644

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 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/17/97
Reported: 07/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070242	OA1-RE1-SP9	700
97070243	OA1-RE1-SP10	13,000
97070244	OA1-RE2-SP1A	8,300
97070245	OA1-RE2-SP1B	83
97070246	OA1-RE2-SP2	120
97070247	OA1-RE2-SP3	240
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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, OA1-RE2-SP1A

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070244
Laboratory Reference #: MWI 9344

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	81
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	43
Cobalt	6010	80	8000	0.5	5.9
Copper	6010	25	2500	0.1	9.6
Lead	6010	5.0	1000	1.0	4.2
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	8.6
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	25
Zinc	6010	250	5000	0.1	29

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP1B

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070245
Laboratory Reference #: MWI 9344

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	29
Cobalt	6010	80	8000	0.5	8.1
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	5.0
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	48

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP2

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070246
Laboratory Reference #: MWI 9344

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	27
Cobalt	6010	80	8000	0.5	7.2
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	31
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

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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, OA1-RE2-SP3

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070247
Laboratory Reference #: MWI 9344

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	77
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	6.1
Copper	6010	25	2500	0.1	9.5
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	7.5
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	25
Zinc	6010	250	5000	0.1	28

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: Soil, OA1-RE2-SP1A
Laboratory Sample Number: 97070244
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	500	N.D.	
Bromodichloromethane	75-27-4	500	N.D.	
Bromoform	75-25-2	500	N.D.	
Bromomethane	74-83-9	500	N.D.	
Carbon Disulfide	75-15-0	1000	N.D.	
Carbon tetrachloride	56-23-5	500	N.D.	
Chlorobenzene	108-90-7	500	N.D.	
Chlorodibromomethane	124-48-1	500	N.D.	
Chloroethane	75-00-3	500	N.D.	
2-Chloroethyl vinyl ether	110-75-8	1000	N.D.	
Chloroform	67-66-3	500	N.D.	
Chloromethane	74-87-3	500	N.D.	
1,1-Dichloroethane	75-34-3	500	N.D.	
1,2-Dichloroethane	107-06-2	500	N.D.	
1,1-Dichloroethene	75-35-4	500	N.D.	
Trans 1,2-Dichloroethene	156-60-5	500	N.D.	
1,2-Dichloropropane	78-87-5	500	N.D.	
cis-1,3-Dichloropropene	10061-01-5	500	N.D.	
trans-1,3-Dichloropropene	10061-02-6	500	N.D.	
Ethylbenzene	100-41-4	500	2,500	<---
Methylene chloride	75-09-2	1000	N.D.	
Styrene	100-42-5	500	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	500	N.D.	
Tetrachloroethene	127-18-4	500	N.D.	
Toluene	108-88-3	500	N.D.	
1,1,1-Trichloroethane	71-55-6	500	N.D.	
1,1,2-Trichloroethane	79-00-5	500	N.D.	
Trichloroethene	79-01-6	500	N.D.	
Trichlorofluoromethane	75-69-4	1000	N.D.	
Vinyl acetate	108-05-4	1000	N.D.	
Vinyl chloride	75-01-4	500	N.D.	
Total Xylenes	1330-20-7	500	4,200	<---
Dichlorodifluoromethane	75-71-8	500	N.D.	
cis-1-2,-Dichloroethene	156-59-2	500	N.D.	
2,2-Dichloropropane	594-20-7	500	N.D.	
Bromochloromethane	74-97-5	500	N.D.	
1,1-Dichloropropene	563-58-6	500	N.D.	
Dibromomethane	74-95-3	500	N.D.	
1,2-Dibromoethane	106-93-4	500	N.D.	

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE2-SP1A
Laboratory Sample #: 97070244

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	500	N.D.	
Isopropylbenzene	98-82-8	500	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	500	N.D.	
1,2,3-Trichloropropane	96-18-4	500	N.D.	
Bromobenzene	108-86-1	500	N.D.	
n-Propylbenzene	103-65-1	500	1,600	<---
2-Chlorotoluene	95-49-8	500	N.D.	
1,3,5-Trimethylbenzene	108-67-8	500	580	<---
4-Chlorotoluene	106-43-4	500	N.D.	
tert-Butylbenzene	98-06-6	500	N.D.	
1,2,4-Trimethylbenzene	95-63-6	500	36,000	<---
sec-Butylbenzene	135-98-8	500	N.D.	
4-Isopropyltoluene	99-87-6	500	N.D.	
1,3-Dichlorobenzene	541-73-1	500	N.D.	
1,4-Dichlorobenzene	106-46-7	500	N.D.	
n-Butylbenzene	104-51-8	500	2,700	<---
1,2-Dichlorobenzene	95-50-1	500	N.D.	
1-2-Dibromo-3-CPA	96-12-8	1000	N.D.	
1,2,4-Trichlorobenzene	120-82-1	500	N.D.	
Hexachlorobutadiene	87-68-3	500	N.D.	
Naphthalene	91-20-3	500	110,000	<---
1,2,3-Trichlorobenzene	87-61-6	500	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	89
Toluene-d8	96
4-Bromofluorobenzene	96

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, OA1-RE2-SP1B
Laboratory Sample Number: 97070245
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/17/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE2-SP1B
Laboratory Sample #: 97070245

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	17
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	92
Toluene-d8	97
4-Bromofluorobenzene	89

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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, OA1-RE2-SP2
Laboratory Sample Number: 97070246
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/17/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	25	N.D.
Bromodichloromethane	75-27-4	25	N.D.
Bromoform	75-25-2	25	N.D.
Bromomethane	74-83-9	25	N.D.
Carbon Disulfide	75-15-0	50	N.D.
Carbon tetrachloride	56-23-5	25	N.D.
Chlorobenzene	108-90-7	25	N.D.
Chlorodibromomethane	124-48-1	25	N.D.
Chloroethane	75-00-3	25	N.D.
2-Chloroethyl vinyl ether	110-75-8	25	N.D.
Chloroform	67-66-3	25	N.D.
Chloromethane	74-87-3	25	N.D.
1,1-Dichloroethane	75-34-3	25	N.D.
1,2-Dichloroethane	107-06-2	25	N.D.
1,1-Dichloroethene	75-35-4	25	N.D.
Trans 1,2-Dichloroethene	156-60-5	25	N.D.
1,2-Dichloropropane	78-87-5	25	N.D.
cis-1,3-Dichloropropene	10061-01-5	25	N.D.
trans-1,3-Dichloropropene	10061-02-6	25	N.D.
Ethylbenzene	100-41-4	25	N.D.
Methylene chloride	75-09-2	50	N.D.
Styrene	100-42-5	25	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	25	N.D.
Tetrachloroethene	127-18-4	25	N.D.
Toluene	108-88-3	25	N.D.
1,1,1-Trichloroethane	71-55-6	25	N.D.
1,1,2-Trichloroethane	79-00-5	25	N.D.
Trichloroethene	79-01-6	25	N.D.
Trichlorofluoromethane	75-69-4	50	N.D.
Vinyl acetate	108-05-4	50	N.D.
Vinyl chloride	75-01-4	25	N.D.
Total Xylenes	1330-20-7	25	N.D.
Dichlorodifluoromethane	75-71-8	25	N.D.
cis-1-2,-Dichloroethene	156-59-2	25	N.D.
2,2-Dichloropropane	594-20-7	25	N.D.
Bromochloromethane	74-97-5	25	N.D.
1,1-Dichloropropene	563-58-6	25	N.D.
Dibromomethane	74-95-3	25	N.D.
1,2-Dibromoethane	106-93-4	25	N.D.

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

Sample Description: Soil, OA1-RE2-SP2
Laboratory Sample #: 97070246

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	25	N.D.
Isopropylbenzene	98-82-8	25	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	25	N.D.
1,2,3-Trichloropropane	96-18-4	25	N.D.
Bromobenzene	108-86-1	25	N.D.
n-Propylbenzene	103-65-1	25	N.D.
2-Chlorotoluene	95-49-8	25	N.D.
1,3,5-Trimethylbenzene	108-67-8	25	N.D.
4-Chlorotoluene	106-43-4	25	N.D.
tert-Butylbenzene	98-06-6	25	N.D.
1,2,4-Trimethylbenzene	95-63-6	25	39
sec-Butylbenzene	135-98-8	25	N.D.
4-Isopropyltoluene	99-87-6	25	N.D.
1,3-Dichlorobenzene	541-73-1	25	N.D.
1,4-Dichlorobenzene	106-46-7	25	N.D.
n-Butylbenzene	104-51-8	25	N.D.
1,2-Dichlorobenzene	95-50-1	25	N.D.
1,2-Dibromo-3-CPA	96-12-8	50	N.D.
1,2,4-Trichlorobenzene	120-82-1	25	N.D.
Hexachlorobutadiene	87-68-3	25	N.D.
Naphthalene	91-20-3	25	930
1,2,3-Trichlorobenzene	87-61-6	25	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	94
Toluene-d8	97
4-Bromofluorobenzene	96

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, OA1-RE2-SP3
Laboratory Sample Number: 97070247
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	5.0	N.D.
Bromodichloromethane	75-27-4	5.0	N.D.
Bromoform	75-25-2	5.0	N.D.
Bromomethane	74-83-9	5.0	N.D.
Carbon Disulfide	75-15-0	10	N.D.
Carbon tetrachloride	56-23-5	5.0	N.D.
Chlorobenzene	108-90-7	5.0	N.D.
Chlorodibromomethane	124-48-1	5.0	N.D.
Chloroethane	75-00-3	5.0	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	5.0	N.D.
Chloromethane	74-87-3	5.0	N.D.
1,1-Dichloroethane	75-34-3	5.0	N.D.
1,2-Dichloroethane	107-06-2	5.0	N.D.
1,1-Dichloroethene	75-35-4	5.0	N.D.
Trans 1,2-Dichloroethene	156-60-5	5.0	N.D.
1,2-Dichloropropane	78-87-5	5.0	N.D.
cis-1,3-Dichloropropene	10061-01-5	5.0	N.D.
trans-1,3-Dichloropropene	10061-02-6	5.0	N.D.
Ethylbenzene	100-41-4	5.0	N.D.
Methylene chloride	75-09-2	10	N.D.
Styrene	100-42-5	5.0	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	5.0	N.D.
Tetrachloroethene	127-18-4	5.0	N.D.
Toluene	108-88-3	5.0	N.D.
1,1,1-Trichloroethane	71-55-6	5.0	N.D.
1,1,2-Trichloroethane	79-00-5	5.0	N.D.
Trichloroethene	79-01-6	5.0	N.D.
Trichlorofluoromethane	75-69-4	10	N.D.
Vinyl acetate	108-05-4	10	N.D.
Vinyl chloride	75-01-4	5.0	N.D.
Total Xylenes	1330-20-7	5.0	N.D.
Dichlorodifluoromethane	75-71-8	5.0	N.D.
cis-1-2,-Dichloroethene	156-59-2	5.0	N.D.
2,2-Dichloropropane	594-20-7	5.0	N.D.
Bromochloromethane	74-97-5	5.0	N.D.
1,1-Dichloropropene	563-58-6	5.0	N.D.
Dibromomethane	74-95-3	5.0	N.D.
1,2-Dibromoethane	106-93-4	5.0	N.D.

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

Sample Description: Soil, OA1-RE2-SP3
Laboratory Sample #: 97070247

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	5.0	N.D.
Isopropylbenzene	98-82-8	5.0	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	5.0	N.D.
1,2,3-Trichloropropane	96-18-4	5.0	N.D.
Bromobenzene	108-86-1	5.0	N.D.
n-Propylbenzene	103-65-1	5.0	N.D.
2-Chlorotoluene	95-49-8	5.0	N.D.
1,3,5-Trimethylbenzene	108-67-8	5.0	26
4-Chlorotoluene	106-43-4	5.0	N.D.
tert-Butylbenzene	98-06-6	5.0	N.D.
1,2,4-Trimethylbenzene	95-63-6	5.0	54
sec-Butylbenzene	135-98-8	5.0	N.D.
4-Isopropyltoluene	99-87-6	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
n-Butylbenzene	104-51-8	5.0	8.3
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
1,2-Dibromo-3-CPA	96-12-8	10	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Naphthalene	91-20-3	5.0	260
1,2,3-Trichlorobenzene	87-61-6	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

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	95
4-Bromofluorobenzene	90

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, OA1-RE2-SP1A
Laboratory Sample Number: 97070244
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2000	6,200
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	16,000
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	43,000
Benzo (b) fluoranthene	205-99-2	5000	55,000
Benzo (k) fluoranthene	207-08-9	5000	19,000
Benzo (g,h,i)perylene	191-24-2	5000	26,000
Benzo (a) pyrene	50-32-8	5000	40,000
Benzyl alcohol	100-51-6	2000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2000	N.D.
Butyl benzyl phthalate	85-68-7	2000	N.D.
4-Chloroaniline	106-47-8	2000	N.D.
2-Chloronaphthalene	91-58-7	2000	N.D.
4-Chloro-3-methylphenol	59-50-7	2000	N.D.
2-Chlorophenol	95-57-8	2000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2000	N.D.
Chrysene	218-0109	2000	64,000
Dibenz(a,h)anthracene	53-70-3	2000	6,200
Dibenzofuran	132-64-9	2000	N.D.
Di-N-butyl phthalate	84-74-2	5000	N.D.
1,3-Dichlorobenzene	541-73-1	2000	N.D.
1,4-Dichlorobenzene	106-46-7	2000	N.D.
1,2-Dichlorobenzene	95-50-1	2000	N.D.
3,3-Dichlorobenzidine	91-94-1	2000	N.D.
2,4-Dichlorophenol	120-83-2	2000	N.D.
Diethyl phthalate	84-66-2	2000	N.D.
2,4-Dimethylphenol	105-67-9	2000	N.D.
Dimethyl phthalate	131-11-3	2000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2000	N.D.
2,4-Dinitrophenol	51-28-5	2000	N.D.
2,4-Dinitrotoluene	121-14-2	2000	N.D.
2,6-Dinitrotoluene	606-20-2	2000	N.D.
Di-N-octyl phthalate	117-84-0	2000	N.D.

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

Sample Description: Soil, OA1-RE2-SP1A
Laboratory Sample #: 97070244

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	5000	95,000
Fluorene	86-73-7	5000	19,000
Hexachlorobenzene	118-74-1	5000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	15,000
Isophorone	78-59-1	2000	N.D.
2-Methylnaphthalene	91-57-6	2000	300,000
2-Methylphenol	95-48-7	2000	N.D.
4-Methylphenol	106-44-5	2000	N.D.
Naphthalene	91-20-3	2000	87,000
2-Nitroaniline	88-74-4	5000	N.D.
3-Nitroaniline	99-09-2	5000	N.D.
4-Nitroaniline	100-01-6	5000	N.D.
Nitrobenzene	98-95-3	2000	N.D.
2-Nitrophenol	88-75-5	2000	N.D.
4-Nitrophenol	100-02-7	2000	N.D.
N-Nitrosodiphenylamine	86-30-6	2000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2000	N.D.
N-Nitrosodimethylamine	62-75-9	2000	N.D.
Pentachlorophenol	87-86-5	5000	N.D.
Phenanthrene	85-01-8	2000	130,000
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	200,000
1,2,4-Trichlorobenzene	120-82-1	2000	N.D.
2,4,5-Trichlorophenol	95-95-4	2000	N.D.
2,4,6-Trichlorophenol	88-06-2	2000	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: Soil, OA1-RE2-SP1B
Laboratory Sample Number: 97070245
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/17/97
Reported: 07/23/97

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	160
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	790
Benzo (b) fluoranthene	205-99-2	250	1,200
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	420
Benzo (a) pyrene	50-32-8	250	570
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	2,100
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE2-SP1B
Laboratory Sample #: 97070245

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	1,700
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	300
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	430
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	970
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	2,200
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP2
Laboratory Sample Number: 97070246
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/17/97
Reported: 07/23/97

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	200
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	370
Benzo (b) fluoranthene	205-99-2	250	330
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	250
Benzo (a) pyrene	50-32-8	250	370
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	680
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE2-SP2
Laboratory Sample #: 97070246

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	550
Fluorene	86-73-7	100	190
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	2,200
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	360
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	1,500
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	1,800
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP3
Laboratory Sample Number: 97070247
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2000	N.D.
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	16,000
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	62,000
Benzo (b) fluoranthene	205-99-2	5000	64,000
Benzo (k) fluoranthene	207-08-9	5000	25,000
Benzo (g,h,i)perylene	191-24-2	5000	18,000
Benzo (a) pyrene	50-32-8	5000	32,000
Benzyl alcohol	100-51-6	2000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2000	N.D.
Butyl benzyl phthalate	85-68-7	2000	N.D.
4-Chloroaniline	106-47-8	2000	N.D.
2-Chloronaphthalene	91-58-7	2000	N.D.
4-Chloro-3-methylphenol	59-50-7	2000	N.D.
2-Chlorophenol	95-57-8	2000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2000	N.D.
Chrysene	218-0109	2000	63,000
Dibenz(a,h)anthracene	53-70-3	2000	5,800
Dibenzofuran	132-64-9	2000	4,100
Di-N-butyl phthalate	84-74-2	5000	N.D.
1,3-Dichlorobenzene	541-73-1	2000	N.D.
1,4-Dichlorobenzene	106-46-7	2000	N.D.
1,2-Dichlorobenzene	95-50-1	2000	N.D.
3,3-Dichlorobenzidine	91-94-1	2000	N.D.
2,4-Dichlorophenol	120-83-2	2000	N.D.
Diethyl phthalate	84-66-2	2000	N.D.
2,4-Dimethylphenol	105-67-9	2000	N.D.
Dimethyl phthalate	131-11-3	2000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2000	N.D.
2,4-Dinitrophenol	51-28-5	2000	N.D.
2,4-Dinitrotoluene	121-14-2	2000	N.D.
2,6-Dinitrotoluene	606-20-2	2000	N.D.
Di-N-octyl phthalate	117-84-0	2000	N.D.

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

Sample Description: Soil, OA1-RE2-SP3
Laboratory Sample #: 97070247

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	5000	180,000
Fluorene	86-73-7	5000	12,000
Hexachlorobenzene	118-74-1	5000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	15,000
Isophorone	78-59-1	2000	N.D.
2-Methylnaphthalene	91-57-6	2000	5,000
2-Methylphenol	95-48-7	2000	N.D.
4-Methylphenol	106-44-5	2000	N.D.
Naphthalene	91-20-3	2000	N.D.
2-Nitroaniline	88-74-4	5000	N.D.
3-Nitroaniline	99-09-2	5000	N.D.
4-Nitroaniline	100-01-6	5000	N.D.
Nitrobenzene	98-95-3	2000	N.D.
2-Nitrophenol	88-75-5	2000	N.D.
4-Nitrophenol	100-02-7	2000	N.D.
N-Nitrosodiphenylamine	86-30-6	2000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2000	N.D.
N-Nitrosodimethylamine	62-75-9	2000	N.D.
Pentachlorophenol	87-86-5	5000	N.D.
Phenanthrene	85-01-8	2000	120,000
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	170,000
1,2,4-Trichlorobenzene	120-82-1	2000	N.D.
2,4,5-Trichlorophenol	95-95-4	2000	N.D.
2,4,6-Trichlorophenol	88-06-2	2000	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Recevied: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070248	Equip Blank	N.D.
97070249	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
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070248
Laboratory Reference #: MWI 9344

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

Laboratory Sample Number: 97070249
Laboratory Reference #: MWI 9344

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070248
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070248

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	101
4-Bromofluorobenzene	93

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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: 97070249
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070249

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	91
Toluene-d8	101
4-Bromofluorobenzene	92

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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: 97070250
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070250

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	100
4-Bromofluorobenzene	94

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: 97070248
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070248

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070249
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/18/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070249

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

Analytes reprted 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

Sampled: 07/16/97
Recevied: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

Laboratory Sample Number: 97070248
Laboratory Reference #: MWI 9344

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/16/97
Recevied: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

Laboratory Sample Number: 97070249
Laboratory Reference #: MWI 9344

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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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

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

Laboratory Sample Number: 97070248
Laboratory Reference #: MWI 9344

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/21/97
Reported: 07/23/97

Laboratory Sample Number: 97070249
Laboratory Reference #: MWI 9344

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/17/97
Laboratory Sample No : 97070222
Laboratory Reference No : MWI 9344

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	102	99	102	99	3

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9344

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.9	1.8	76	72	5

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/22/97
Laboratory Sample No : 97070186
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	120	140	48	56	15

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	15	100	75	29

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 : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	1.1	1.2	110	120	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 : Metals

Date of Analysis : 07/18/97
Laboratory Sample No : 97070279
Laboratory Reference No : MWI 9344

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	31.0	103	103	0
Arsenic	0.0	10.0	8.4	8.6	84	86	2
Barium	3.0	10.0	14.0	14.0	110	110	0
Beryllium	0.00	1.00	1.04	1.01	104	101	3
Cadmium	0.00	1.00	1.04	1.03	104	103	1
Chromium (Total)	1.00	5.00	6.10	6.10	102	102	0
Chromium (VI)	0.00	1.00	0.88	0.90	88	90	2
Cobalt	0.34	1.00	1.34	1.31	100	97	2
Copper	0.89	1.00	1.84	1.87	95	98	2
Lead	0.00	10.0	8.7	8.9	87	89	2
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	10.7	11.3	107	113	5
Nickel	0.49	5.00	5.7	5.5	104	100	4
Selenium	0.0	10.0	9.9	10.1	99	101	2
Silver	0.0	5.0	4.5	5.0	90	100	11
Thallium	0.0	30.0	30.0	28.0	100	93	7
Vanadium	1.4	5.0	6.4	6.4	100	100	0
Zinc	2.1	5.0	7.3	7.3	104	104	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 : 07/18/97
Laboratory Sample No : 97070249
Laboratory Reference No : MWI 9344

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.70	3.10	90	103	14
Arsenic	0.00	1.00	0.87	1.00	87	100	14
Barium	0.000	0.100	0.097	0.107	97	107	10
Beryllium	0.00	0.100	0.104	0.112	104	112	7
Cadmium	0.00	0.100	0.099	0.114	99	114	14
Chromium (VI)	0.00	0.50	0.44	0.46	88	92	4
Chromium (Total)	0.00	0.100	0.094	0.106	94	106	12
Cobalt	0.00	0.100	0.106	0.120	106	120	12
Copper	0.000	0.100	0.095	0.105	95	105	10
Lead	0.00	1.00	0.96	0.96	96	96	0
Mercury	0.000	0.020	0.020	0.022	100	110	10
Molybdenum	0.00	1.00	0.95	1.09	95	109	14
Nickel	0.00	0.50	0.53	0.57	106	114	7
Selenium	0.00	1.00	0.88	1.00	88	100	13
Silver	0.00	0.50	0.47	0.51	94	102	8
Thallium	0.00	3.00	3.30	3.20	110	107	3
Vanadium	0.00	0.50	0.45	0.52	90	104	14
Zinc	0.000	0.100	0.091	0.105	91	105	14

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 : 07/17/97
Laboratory Sample No : 97070137
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	46	94	92	2
1,1-Dichloroethene	0.0	50	44	44	88	88	0
Trichloroethene	0.0	50	44	45	88	90	2
Toluene	2.3	50	44	46	83	87	4
Chlorobenzene	0.0	50	45	46	90	92	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	50	50	100	100	0
Trichloroethene	0.0	50	46	45	92	90	2
Toluene	0.0	50	51	49	102	98	4
Chlorobenzene	0.0	50	47	46	94	92	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/18/97
Laboratory Sample No : 97070269
Laboratory Reference No : MWI 9344

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	19	95	95	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	18	17	90	85	6
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	19	18	95	90	5

Definition of Terms :

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

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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 : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9344

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	82	84	82	84	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/18/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9344

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	45	44	90	88	2
n-Nitroso-di-n-propylamine	0.0	50	42	42	84	84	0
1,2,4-Trichlorobenzene	0.0	50	46	46	92	92	0
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	43	42	86	84	2
Pentachlorophenol	0.0	100	71	78	71	78	9
4-Chloro-3-Methylphenol	0.0	100	62	76	62	76	20
2-Chlorophenol	0.0	100	77	80	77	80	4
Phenol	0.0	100	69	71	69	71	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 : 07/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9344

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	36	35	72	70	3
n-Nitroso-di-n-propylamine	0.0	50	44	44	88	88	0
1,2,4-Trichlorobenzene	0.0	50	38	37	76	74	3
Acenaphthene	0.0	50	47	46	94	92	2
Pyrene	0.0	50	46	46	92	92	0
Pentachlorophenol	0.0	100	79	77	79	77	3
4-Chloro-3-Methylphenol	0.0	100	72	69	72	69	4
2-Chlorophenol	0.0	100	75	73	75	73	3
Phenol	0.0	100	25	23	25	23	8

Definition of Terms :

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

ORANGE COAST ANALYTICAL

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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 only Standard TAT Otherwise

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101
PHONE: 818-568-6582 FAX: 818-796-5941

PROJECT INFORMATION

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

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
OA1-RE1-SP9	2	7/16/97	1310	SOIL	2"x6" SS Sleeve	ICE	X	X	X	X					
OA1-RE1-SP10	2		1335				X	X	X	X					
OA1-RE2-SP1A	2		1355				X	X	X	X					
OA1-RE2-SP1B	2		1410				X	X	X	X					
OA1-RE2-SP2	2		1430				X	X	X	X					
OA1-RE2-SP3	2		1455				X	X	X	X					
Equipment Blank	7		1500	WATER	4 amber 1 poly 2 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1515				X	X	X	X	X	X			
Trip Blank	2		—		2 VOAs	HCl			X						

Total No. of Samples: 9

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/16/97 1525		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	7/16/97 15:25

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

BOE-C6-0146696

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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 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/18/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070262	OA1-RE2-SP4	14,000
97070263	OA1-RE2-SP5	16,000
97070264	OA1-RE2-SP6	2,300
97070265	OA1-RE2-SP7	3,400
97070266	OA1-RE2-SP8	4,600

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP4

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070262
Laboratory Reference #: MWI 9349

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	1.8
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	27
Cobalt	6010	80	8000	0.5	6.7
Copper	6010	25	2500	0.1	17
Lead	6010	5.0	1000	1.0	30
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	22
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	41
Zinc	6010	250	5000	0.1	64

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP5

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070263
Laboratory Reference #: MWI 9349

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	81
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	140
Cobalt	6010	80	8000	0.5	5.4
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	150
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	11
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	25
Zinc	6010	250	5000	0.1	44

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP6

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070264
Laboratory Reference #: MWI 9349

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	90
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	1.3
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	29
Cobalt	6010	80	8000	0.5	7.2
Copper	6010	25	2500	0.1	13
Lead	6010	5.0	1000	1.0	9.7
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	42
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
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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, OA1-RE2-SP7

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070265
Laboratory Reference #: MWI 9349

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	120
Cobalt	6010	80	8000	0.5	7.4
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	320
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

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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, OA1-RE2-SP8

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070266
Laboratory Reference #: MWI 9349

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	49
Cobalt	6010	80	8000	0.5	6.7
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	27
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	110

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

ORANGE COAST ANALYTICAL

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP4
Laboratory Sample Number: 97070262
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	50	N.D.
Bromodichloromethane	75-27-4	50	N.D.
Bromoform	75-25-2	50	N.D.
Bromomethane	74-83-9	50	N.D.
Carbon Disulfide	75-15-0	100	N.D.
Carbon tetrachloride	56-23-5	50	N.D.
Chlorobenzene	108-90-7	50	N.D.
Chlorodibromomethane	124-48-1	50	N.D.
Chloroethane	75-00-3	50	N.D.
2-Chloroethyl vinyl ether	110-75-8	50	N.D.
Chloroform	67-66-3	50	N.D.
Chloromethane	74-87-3	50	N.D.
1,1-Dichloroethane	75-34-3	50	N.D.
1,2-Dichloroethane	107-06-2	50	N.D.
1,1-Dichloroethene	75-35-4	50	N.D.
Trans 1,2-Dichloroethene	156-60-5	50	N.D.
1,2-Dichloropropane	78-87-5	50	N.D.
cis-1,3-Dichloropropene	10061-01-5	50	N.D.
trans-1,3-Dichloropropene	10061-02-6	50	N.D.
Ethylbenzene	100-41-4	50	N.D.
Methylene chloride	75-09-2	100	N.D.
Styrene	100-42-5	50	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.
Tetrachloroethene	127-18-4	50	N.D.
Toluene	108-88-3	50	N.D.
1,1,1-Trichloroethane	71-55-6	50	N.D.
1,1,2-Trichloroethane	79-00-5	50	N.D.
Trichloroethene	79-01-6	50	N.D.
Trichlorofluoromethane	75-69-4	100	N.D.
Vinyl acetate	108-05-4	100	N.D.
Vinyl chloride	75-01-4	50	N.D.
Total Xylenes	1330-20-7	50	170
Dichlorodifluoromethane	75-71-8	50	N.D.
cis-1-2,-Dichloroethene	156-59-2	50	N.D.
2,2-Dichloropropane	594-20-7	50	N.D.
Bromochloromethane	74-97-5	50	N.D.
1,1-Dichloropropene	563-58-6	50	N.D.
Dibromomethane	74-95-3	50	N.D.
1,2-Dibromoethane	106-93-4	50	N.D.

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

Sample Description: Soil, OA1-RE2-SP4
Laboratory Sample #: 97070262

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	50	N.D.
Isopropylbenzene	98-82-8	50	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.
1,2,3-Trichloropropane	96-18-4	50	N.D.
Bromobenzene	108-86-1	50	N.D.
n-Propylbenzene	103-65-1	50	N.D.
2-Chlorotoluene	95-49-8	50	N.D.
1,3,5-Trimethylbenzene	108-67-8	50	210
4-Chlorotoluene	106-43-4	50	N.D.
tert-Butylbenzene	98-06-6	50	N.D.
1,2,4-Trimethylbenzene	95-63-6	50	490
sec-Butylbenzene	135-98-8	50	N.D.
4-Isopropyltoluene	99-87-6	50	N.D.
1,3-Dichlorobenzene	541-73-1	50	N.D.
1,4-Dichlorobenzene	106-46-7	50	N.D.
n-Butylbenzene	104-51-8	50	N.D.
1,2-Dichlorobenzene	95-50-1	50	N.D.
1,2-Dibromo-3-CPA	96-12-8	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	50	N.D.
Hexachlorobutadiene	87-68-3	50	N.D.
Naphthalene	91-20-3	50	2,200
1,2,3-Trichlorobenzene	87-61-6	50	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	89
Toluene-d8	96
4-Bromofluorobenzene	100

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP5
Laboratory Sample Number: 97070263
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (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	400	N.D.
Chloroform	67-66-3	400	N.D.
Chloromethane	74-87-3	400	N.D.
1,1-Dichloroethane	75-34-3	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	1,300
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	N.D.
1,1,1-Trichloroethane	71-55-6	400	N.D.
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	8,600
Dichlorodifluoromethane	75-71-8	400	N.D.
cis-1-2,-Dichloroethene	156-59-2	400	N.D.
2,2-Dichloropropane	594-20-7	400	N.D.
Bromochloromethane	74-97-5	400	N.D.
1,1-Dichloropropene	563-58-6	400	N.D.
Dibromomethane	74-95-3	400	N.D.
1,2-Dibromoethane	106-93-4	400	N.D.

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

Sample Description: Soil, OA1-RE2-SP5
Laboratory Sample #: 97070263

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	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	920
2-Chlorotoluene	95-49-8	400	N.D.
1,3,5-Trimethylbenzene	108-67-8	400	7,600
4-Chlorotoluene	106-43-4	400	N.D.
tert-Butylbenzene	98-06-6	400	N.D.
1,2,4-Trimethylbenzene	95-63-6	400	21,000
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	1,700
1,2-Dichlorobenzene	95-50-1	400	N.D.
1,2-Dibromo-3-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	67,000
1,2,3-Trichlorobenzene	87-61-6	400	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	89
Toluene-d8	98
4-Bromofluorobenzene	93

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, OA1-RE2-SP6
Laboratory Sample Number: 97070264
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/23/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	100	N.D.
Bromodichloromethane	75-27-4	100	N.D.
Bromoform	75-25-2	100	N.D.
Bromomethane	74-83-9	100	N.D.
Carbon Disulfide	75-15-0	200	N.D.
Carbon tetrachloride	56-23-5	100	N.D.
Chlorobenzene	108-90-7	100	N.D.
Chlorodibromomethane	124-48-1	100	N.D.
Chloroethane	75-00-3	100	N.D.
2-Chloroethyl vinyl ether	110-75-8	100	N.D.
Chloroform	67-66-3	100	N.D.
Chloromethane	74-87-3	100	N.D.
1,1-Dichloroethane	75-34-3	100	N.D.
1,2-Dichloroethane	107-06-2	100	N.D.
1,1-Dichloroethene	75-35-4	100	N.D.
Trans 1,2-Dichloroethene	156-60-5	100	N.D.
1,2-Dichloropropane	78-87-5	100	N.D.
cis-1,3-Dichloropropene	10061-01-5	100	N.D.
trans-1,3-Dichloropropene	10061-02-6	100	N.D.
Ethylbenzene	100-41-4	100	390
Methylene chloride	75-09-2	200	N.D.
Styrene	100-42-5	100	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.
Tetrachloroethene	127-18-4	100	N.D.
Toluene	108-88-3	100	N.D.
1,1,1-Trichloroethane	71-55-6	100	N.D.
1,1,2-Trichloroethane	79-00-5	100	N.D.
Trichloroethene	79-01-6	100	N.D.
Trichlorofluoromethane	75-69-4	200	N.D.
Vinyl acetate	108-05-4	200	N.D.
Vinyl chloride	75-01-4	100	N.D.
Total Xylenes	1330-20-7	100	1,500
Dichlorodifluoromethane	75-71-8	100	N.D.
cis-1-2,-Dichloroethene	156-59-2	100	N.D.
2,2-Dichloropropane	594-20-7	100	N.D.
Bromochloromethane	74-97-5	100	N.D.
1,1-Dichloropropene	563-58-6	100	N.D.
Dibromomethane	74-95-3	100	N.D.
1,2-Dibromoethane	106-93-4	100	N.D.

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

Sample Description: Soil, OA1-RE2-SP6
Laboratory Sample #: 97070264

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	100	N.D.
Isopropylbenzene	98-82-8	100	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.
1,2,3-Trichloropropane	96-18-4	100	N.D.
Bromobenzene	108-86-1	100	N.D.
n-Propylbenzene	103-65-1	100	220
2-Chlorotoluene	95-49-8	100	N.D.
1,3,5-Trimethylbenzene	108-67-8	100	2,000
4-Chlorotoluene	106-43-4	100	N.D.
tert-Butylbenzene	98-06-6	100	N.D.
1,2,4-Trimethylbenzene	95-63-6	100	6,200
sec-Butylbenzene	135-98-8	100	N.D.
4-Isopropyltoluene	99-87-6	100	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
n-Butylbenzene	104-51-8	100	340
1,2-Dichlorobenzene	95-50-1	100	N.D.
1,2-Dibromo-3-CPA	96-12-8	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Naphthalene	91-20-3	100	17,000
1,2,3-Trichlorobenzene	87-61-6	100	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	92
Toluene-d8	96
4-Bromofluorobenzene	96

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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, OA1-RE2-SP7
Laboratory Sample Number: 97070265
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	250	N.D.
Bromodichloromethane	75-27-4	250	N.D.
Bromoform	75-25-2	250	N.D.
Bromomethane	74-83-9	250	N.D.
Carbon Disulfide	75-15-0	250	N.D.
Carbon tetrachloride	56-23-5	250	N.D.
Chlorobenzene	108-90-7	250	N.D.
Chlorodibromomethane	124-48-1	250	N.D.
Chloroethane	75-00-3	250	N.D.
2-Chloroethyl vinyl ether	110-75-8	250	N.D.
Chloroform	67-66-3	250	N.D.
Chloromethane	74-87-3	250	N.D.
1,1-Dichloroethane	75-34-3	250	N.D.
1,2-Dichloroethane	107-06-2	250	N.D.
1,1-Dichloroethene	75-35-4	250	N.D.
Trans 1,2-Dichloroethene	156-60-5	250	N.D.
1,2-Dichloropropane	78-87-5	250	N.D.
cis-1,3-Dichloropropene	10061-01-5	250	N.D.
trans-1,3-Dichloropropene	10061-02-6	250	N.D.
Ethylbenzene	100-41-4	250	670
Methylene chloride	75-09-2	250	N.D.
Styrene	100-42-5	250	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	250	N.D.
Tetrachloroethene	127-18-4	250	N.D.
Toluene	108-88-3	250	N.D.
1,1,1-Trichloroethane	71-55-6	250	N.D.
1,1,2-Trichloroethane	79-00-5	250	N.D.
Trichloroethene	79-01-6	250	N.D.
Trichlorofluoromethane	75-69-4	250	N.D.
Vinyl acetate	108-05-4	250	N.D.
Vinyl chloride	75-01-4	250	N.D.
Total Xylenes	1330-20-7	250	1,100
Dichlorodifluoromethane	75-71-8	250	N.D.
cis-1-2,-Dichloroethene	156-59-2	250	N.D.
2,2-Dichloropropane	594-20-7	250	N.D.
Bromochloromethane	74-97-5	250	N.D.
1,1-Dichloropropene	563-58-6	250	N.D.
Dibromomethane	74-95-3	250	N.D.
1,2-Dibromoethane	106-93-4	250	N.D.

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

Sample Description: Soil, OA1-RE2-SP7
Laboratory Sample #: 97070265

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	250	N.D.
Isopropylbenzene	98-82-8	250	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	250	N.D.
1,2,3-Trichloropropane	96-18-4	250	N.D.
Bromobenzene	108-86-1	250	N.D.
n-Propylbenzene	103-65-1	250	590
2-Chlorotoluene	95-49-8	250	N.D.
1,3,5-Trimethylbenzene	108-67-8	250	2,900
4-Chlorotoluene	106-43-4	250	N.D.
tert-Butylbenzene	98-06-6	250	N.D.
1,2,4-Trimethylbenzene	95-63-6	250	10,000
sec-Butylbenzene	135-98-8	250	N.D.
4-Isopropyltoluene	99-87-6	250	N.D.
1,3-Dichlorobenzene	541-73-1	250	N.D.
1,4-Dichlorobenzene	106-46-7	250	N.D.
n-Butylbenzene	104-51-8	250	900
1,2-Dichlorobenzene	95-50-1	250	N.D.
1,2-Dibromo-3-CPA	96-12-8	250	N.D.
1,2,4-Trichlorobenzene	120-82-1	250	N.D.
Hexachlorobutadiene	87-68-3	250	N.D.
Naphthalene	91-20-3	250	41,000
1,2,3-Trichlorobenzene	87-61-6	250	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	97
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, OA1-RE2-SP8
Laboratory Sample Number: 97070266
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	50	N.D.
Bromodichloromethane	75-27-4	50	N.D.
Bromoform	75-25-2	50	N.D.
Bromomethane	74-83-9	50	N.D.
Carbon Disulfide	75-15-0	100	N.D.
Carbon tetrachloride	56-23-5	50	N.D.
Chlorobenzene	108-90-7	50	N.D.
Chlorodibromomethane	124-48-1	50	N.D.
Chloroethane	75-00-3	50	N.D.
2-Chloroethyl vinyl ether	110-75-8	50	N.D.
Chloroform	67-66-3	50	N.D.
Chloromethane	74-87-3	50	N.D.
1,1-Dichloroethane	75-34-3	50	N.D.
1,2-Dichloroethane	107-06-2	50	N.D.
1,1-Dichloroethene	75-35-4	50	N.D.
Trans 1,2-Dichloroethene	156-60-5	50	N.D.
1,2-Dichloropropane	78-87-5	50	N.D.
cis-1,3-Dichloropropene	10061-01-5	50	N.D.
trans-1,3-Dichloropropene	10061-02-6	50	N.D.
Ethylbenzene	100-41-4	50	N.D.
Methylene chloride	75-09-2	100	N.D.
Styrene	100-42-5	50	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.
Tetrachloroethene	127-18-4	50	N.D.
Toluene	108-88-3	50	N.D.
1,1,1-Trichloroethane	71-55-6	50	N.D.
1,1,2-Trichloroethane	79-00-5	50	N.D.
Trichloroethene	79-01-6	50	N.D.
Trichlorofluoromethane	75-69-4	100	N.D.
Vinyl acetate	108-05-4	100	N.D.
Vinyl chloride	75-01-4	50	N.D.
Total Xylenes	1330-20-7	50	150
Dichlorodifluoromethane	75-71-8	50	N.D.
cis-1-2,-Dichloroethene	156-59-2	50	N.D.
2,2-Dichloropropane	594-20-7	50	N.D.
Bromochloromethane	74-97-5	50	N.D.
1,1-Dichloropropene	563-58-6	50	N.D.
Dibromomethane	74-95-3	50	N.D.
1,2-Dibromoethane	106-93-4	50	N.D.

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

Sample Description: Soil, OA1-RE2-SP8
Laboratory Sample #: 97070266

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	50	N.D.
Isopropylbenzene	98-82-8	50	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.
1,2,3-Trichloropropane	96-18-4	50	N.D.
Bromobenzene	108-86-1	50	N.D.
n-Propylbenzene	103-65-1	50	N.D.
2-Chlorotoluene	95-49-8	50	N.D.
1,3,5-Trimethylbenzene	108-67-8	50	330
4-Chlorotoluene	106-43-4	50	N.D.
tert-Butylbenzene	98-06-6	50	N.D.
1,2,4-Trimethylbenzene	95-63-6	50	970
sec-Butylbenzene	135-98-8	50	N.D.
4-Isopropyltoluene	99-87-6	50	N.D.
1,3-Dichlorobenzene	541-73-1	50	N.D.
1,4-Dichlorobenzene	106-46-7	50	N.D.
n-Butylbenzene	104-51-8	50	120
1,2-Dichlorobenzene	95-50-1	50	N.D.
1,2-Dibromo-3-CPA	96-12-8	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	50	N.D.
Hexachlorobutadiene	87-68-3	50	N.D.
Naphthalene	91-20-3	50	5,500
1,2,3-Trichlorobenzene	87-61-6	50	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	99
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, OA1-RE2-SP4
Laboratory Sample Number: 97070262
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2,000	6,200
Acenaphthylene	208-96-8	2,000	N.D.
Aniline	62-53-3	2,000	N.D.
Anthracene	120-12-7	2,000	17,000
Benzoic Acid	65-85-0	10,000	N.D.
Benzo (a) anthracene	56-55-3	2,000	79,000
Benzo (b) fluoranthene	205-99-2	5,000	110,000
Benzo (k) fluoranthene	207-08-9	5,000	33,000
Benzo (g,h,i)perylene	191-24-2	5,000	44,000
Benzo (a) pyrene	50-32-8	5,000	57,000
Benzyl alcohol	100-51-6	2,000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2,000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2,000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2,000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2,000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2,000	N.D.
Butyl benzyl phthalate	85-68-7	2,000	N.D.
4-Chloroaniline	106-47-8	2,000	N.D.
2-Chloronaphthalene	91-58-7	2,000	N.D.
4-Chloro-3-methylphenol	59-50-7	2,000	N.D.
2-Chlorophenol	95-57-8	2,000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2,000	N.D.
Chrysene	218-0109	2,000	190,000
Dibenz(a,h)anthracene	53-70-3	2,000	12,000
Dibenzofuran	132-64-9	2,000	N.D.
Di-N-butyl phthalate	84-74-2	5,000	N.D.
1,3-Dichlorobenzene	541-73-1	2,000	N.D.
1,4-Dichlorobenzene	106-46-7	2,000	N.D.
1,2-Dichlorobenzene	95-50-1	2,000	N.D.
3,3-Dichlorobenzidine	91-94-1	2,000	N.D.
2,4-Dichlorophenol	120-83-2	2,000	N.D.
Diethyl phthalate	84-66-2	2,000	N.D.
2,4-Dimethylphenol	105-67-9	2,000	N.D.
Dimethyl phthalate	131-11-3	2,000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2,000	N.D.
2,4-Dinitrophenol	51-28-5	2,000	N.D.
2,4-Dinitrotoluene	121-14-2	5,000	N.D.
2,6-Dinitrotoluene	606-20-2	5,000	N.D.
Di-N-octyl phthalate	117-84-0	5,000	N.D.

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

Sample Description: Soil, OA1-RE2-SP4
Laboratory Sample #: 97070262

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	2,000	140,000
Fluorene	86-73-7	2,000	17,000
Hexachlorobenzene	118-74-1	2,000	N.D.
Hexachlorobutadiene	87-68-3	2,000	N.D.
Hexachlorocyclopentadiene	77-47-4	2,000	N.D.
Hexachloroethane	67-72-1	2,000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5,000	30,000
Isophorone	78-59-1	2,000	N.D.
2-Methylnaphthalene	91-57-6	2,000	180,000
2-Methylphenol	95-48-7	2,000	N.D.
4-Methylphenol	106-44-5	2,000	N.D.
Naphthalene	91-20-3	2,000	42,000
2-Nitroaniline	88-74-4	2,000	N.D.
3-Nitroaniline	99-09-2	2,000	N.D.
4-Nitroaniline	100-01-6	2,000	N.D.
Nitrobenzene	98-95-3	2,000	N.D.
2-Nitrophenol	88-75-5	2,000	N.D.
4-Nitrophenol	100-02-7	2,000	N.D.
N-Nitrosodiphenylamine	86-30-6	2,000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2,000	N.D.
N-Nitrosodimethylamine	62-75-9	2,000	N.D.
Pentachlorophenol	87-86-5	5,000	N.D.
Phenanthrene	85-01-8	2,000	110,000
Phenol	108-95-2	2,000	N.D.
Pyrene	129-00-0	2,000	260,000
1,2,4-Trichlorobenzene	120-82-1	2,000	N.D.
2,4,5-Trichlorophenol	95-95-4	2,000	N.D.
2,4,6-Trichlorophenol	88-06-2	2,000	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: Soil, OA1-RE2-SP5
Laboratory Sample Number: 97070263
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2,000	3,800
Acenaphthylene	208-96-8	2,000	N.D.
Aniline	62-53-3	2,000	N.D.
Anthracene	120-12-7	2,000	14,000
Benzoic Acid	65-85-0	10,000	N.D.
Benzo (a) anthracene	56-55-3	2,000	55,000
Benzo (b) fluoranthene	205-99-2	5,000	78,000
Benzo (k) fluoranthene	207-08-9	5,000	18,000
Benzo (g,h,i)perylene	191-24-2	5,000	28,000
Benzo (a) pyrene	50-32-8	5,000	39,000
Benzyl alcohol	100-51-6	2,000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2,000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2,000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2,000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2,000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2,000	N.D.
Butyl benzyl phthalate	85-68-7	2,000	N.D.
4-Chloroaniline	106-47-8	2,000	N.D.
2-Chloronaphthalene	91-58-7	2,000	N.D.
4-Chloro-3-methylphenol	59-50-7	2,000	N.D.
2-Chlorophenol	95-57-8	2,000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2,000	N.D.
Chrysene	218-0109	2,000	79,000
Dibenz(a,h)anthracene	53-70-3	2,000	7,300
Dibenzofuran	132-64-9	2,000	N.D.
Di-N-butyl phthalate	84-74-2	5,000	N.D.
1,3-Dichlorobenzene	541-73-1	2,000	N.D.
1,4-Dichlorobenzene	106-46-7	2,000	N.D.
1,2-Dichlorobenzene	95-50-1	2,000	N.D.
3,3-Dichlorobenzidine	91-94-1	2,000	N.D.
2,4-Dichlorophenol	120-83-2	2,000	N.D.
Diethyl phthalate	84-66-2	2,000	N.D.
2,4-Dimethylphenol	105-67-9	2,000	N.D.
Dimethyl phthalate	131-11-3	2,000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2,000	N.D.
2,4-Dinitrophenol	51-28-5	2,000	N.D.
2,4-Dinitrotoluene	121-14-2	5,000	N.D.
2,6-Dinitrotoluene	606-20-2	5,000	N.D.
Di-N-octyl phthalate	117-84-0	5,000	N.D.

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

Sample Description: Soil, OA1-RE2-SP5
Laboratory Sample #: 97070263

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	2,000	130,000
Fluorene	86-73-7	2,000	12,000
Hexachlorobenzene	118-74-1	2,000	N.D.
Hexachlorobutadiene	87-68-3	2,000	N.D.
Hexachlorocyclopentadiene	77-47-4	2,000	N.D.
Hexachloroethane	67-72-1	2,000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5,000	18,000
Isophorone	78-59-1	2,000	N.D.
2-Methylnaphthalene	91-57-6	2,000	170,000
2-Methylphenol	95-48-7	2,000	N.D.
4-Methylphenol	106-44-5	2,000	N.D.
Naphthalene	91-20-3	2,000	45,000
2-Nitroaniline	88-74-4	2,000	N.D.
3-Nitroaniline	99-09-2	2,000	N.D.
4-Nitroaniline	100-01-6	2,000	N.D.
Nitrobenzene	98-95-3	2,000	N.D.
2-Nitrophenol	88-75-5	2,000	N.D.
4-Nitrophenol	100-02-7	2,000	N.D.
N-Nitrosodiphenylamine	86-30-6	2,000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2,000	N.D.
N-Nitrosodimethylamine	62-75-9	2,000	N.D.
Pentachlorophenol	87-86-5	5,000	N.D.
Phenanthrene	85-01-8	2,000	88,000
Phenol	108-95-2	2,000	N.D.
Pyrene	129-00-0	2,000	190,000
1,2,4-Trichlorobenzene	120-82-1	2,000	N.D.
2,4,5-Trichlorophenol	95-95-4	2,000	N.D.
2,4,6-Trichlorophenol	88-06-2	2,000	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: Soil, OA1-RE2-SP6
Laboratory Sample Number: 97070264
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	60,000	N.D.
Acenaphthylene	208-96-8	60,000	N.D.
Aniline	62-53-3	60,000	N.D.
Anthracene	120-12-7	60,000	270,000
Benzoic Acid	65-85-0	300,000	N.D.
Benzo (a) anthracene	56-55-3	60,000	1,300,000
Benzo (b) fluoranthene	205-99-2	150,000	1,900,000
Benzo (k) fluoranthene	207-08-9	150,000	430,000
Benzo (g,h,i)perylene	191-24-2	150,000	470,000
Benzo (a) pyrene	50-32-8	150,000	760,000
Benzyl alcohol	100-51-6	60,000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	60,000	N.D.
Bis(2-chloroethyl)ether	111-44-4	60,000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	60,000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	60,000	N.D.
4-Bromophenyl phenyl ether	101-55-3	60,000	N.D.
Butyl benzyl phthalate	85-68-7	60,000	N.D.
4-Chloroaniline	106-47-8	60,000	N.D.
2-Chloronaphthalene	91-58-7	60,000	N.D.
4-Chloro-3-methylphenol	59-50-7	60,000	N.D.
2-Chlorophenol	95-57-8	60,000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	60,000	N.D.
Chrysene	218-0109	60,000	1,500,000
Dibenz(a,h)anthracene	53-70-3	60,000	160,000
Dibenzofuran	132-64-9	60,000	N.D.
Di-N-butyl phthalate	84-74-2	150,000	N.D.
1,3-Dichlorobenzene	541-73-1	60,000	N.D.
1,4-Dichlorobenzene	106-46-7	60,000	N.D.
1,2-Dichlorobenzene	95-50-1	60,000	N.D.
3,3-Dichlorobenzidine	91-94-1	60,000	N.D.
2,4-Dichlorophenol	120-83-2	60,000	N.D.
Diethyl phthalate	84-66-2	60,000	N.D.
2,4-Dimethylphenol	105-67-9	60,000	N.D.
Dimethyl phthalate	131-11-3	60,000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	60,000	N.D.
2,4-Dinitrophenol	51-28-5	60,000	N.D.
2,4-Dinitrotoluene	121-14-2	60,000	N.D.
2,6-Dinitrotoluene	606-20-2	60,000	N.D.
Di-N-octyl phthalate	117-84-0	60,000	N.D.

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

Sample Description: Soil, OA1-RE2-SP6
Laboratory Sample #: 97070264

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	60,000	4,000,000
Fluorene	86-73-7	60,000	110,000
Hexachlorobenzene	118-74-1	60,000	N.D.
Hexachlorobutadiene	87-68-3	60,000	N.D.
Hexachlorocyclopentadiene	77-47-4	60,000	N.D.
Hexachloroethane	67-72-1	60,000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	150,000	470,000
Isophorone	78-59-1	60,000	N.D.
2-Methylnaphthalene	91-57-6	60,000	N.D.
2-Methylphenol	95-48-7	60,000	N.D.
4-Methylphenol	106-44-5	60,000	N.D.
Naphthalene	91-20-3	60,000	N.D.
2-Nitroaniline	88-74-4	150,000	N.D.
3-Nitroaniline	99-09-2	150,000	N.D.
4-Nitroaniline	100-01-6	150,000	N.D.
Nitrobenzene	98-95-3	60,000	N.D.
2-Nitrophenol	88-75-5	60,000	N.D.
4-Nitrophenol	100-02-7	60,000	N.D.
N-Nitrosodiphenylamine	86-30-6	60,000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	60,000	N.D.
N-Nitrosodimethylamine	62-75-9	60,000	N.D.
Pentachlorophenol	87-86-5	150,000	N.D.
Phenanthrene	85-01-8	60,000	1,800,000
Phenol	108-95-2	60,000	N.D.
Pyrene	129-00-0	60,000	3,600,000
1,2,4-Trichlorobenzene	120-82-1	60,000	N.D.
2,4,5-Trichlorophenol	95-95-4	60,000	N.D.
2,4,6-Trichlorophenol	88-06-2	60,000	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
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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, OA1-RE2-SP7
Laboratory Sample Number: 97070265
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2,000	2,700
Acenaphthylene	208-96-8	2,000	N.D.
Aniline	62-53-3	2,000	N.D.
Anthracene	120-12-7	2,000	7,100
Benzoic Acid	65-85-0	10,000	N.D.
Benzo (a) anthracene	56-55-3	2,000	18,000
Benzo (b) fluoranthene	205-99-2	5,000	22,000
Benzo (k) fluoranthene	207-08-9	5,000	7,400
Benzo (g,h,i)perylene	191-24-2	5,000	12,000
Benzo (a) pyrene	50-32-8	5,000	16,000
Benzyl alcohol	100-51-6	2,000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2,000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2,000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2,000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2,000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2,000	N.D.
Butyl benzyl phthalate	85-68-7	2,000	N.D.
4-Chloroaniline	106-47-8	2,000	N.D.
2-Chloronaphthalene	91-58-7	2,000	N.D.
4-Chloro-3-methylphenol	59-50-7	2,000	N.D.
2-Chlorophenol	95-57-8	2,000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2,000	N.D.
Chrysene	218-0109	2,000	2,300
Dibenz(a,h)anthracene	53-70-3	2,000	N.D.
Dibenzofuran	132-64-9	2,000	N.D.
Di-N-butyl phthalate	84-74-2	5,000	N.D.
1,3-Dichlorobenzene	541-73-1	2,000	N.D.
1,4-Dichlorobenzene	106-46-7	2,000	N.D.
1,2-Dichlorobenzene	95-50-1	2,000	N.D.
3,3-Dichlorobenzidine	91-94-1	2,000	N.D.
2,4-Dichlorophenol	120-83-2	2,000	N.D.
Diethyl phthalate	84-66-2	2,000	N.D.
2,4-Dimethylphenol	105-67-9	2,000	N.D.
Dimethyl phthalate	131-11-3	2,000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2,000	N.D.
2,4-Dinitrophenol	51-28-5	2,000	N.D.
2,4-Dinitrotoluene	121-14-2	5,000	N.D.
2,6-Dinitrotoluene	606-20-2	5,000	N.D.
Di-N-octyl phthalate	117-84-0	5,000	N.D.

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

Sample Description: Soil, OA1-RE2-SP7
Laboratory Sample #: 97070265

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	2,000	42,000
Fluorene	86-73-7	2,000	8,100
Hexachlorobenzene	118-74-1	2,000	N.D.
Hexachlorobutadiene	87-68-3	2,000	N.D.
Hexachlorocyclopentadiene	77-47-4	2,000	N.D.
Hexachloroethane	67-72-1	2,000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5,000	5,800
Isophorone	78-59-1	2,000	N.D.
2-Methylnaphthalene	91-57-6	2,000	130,000
2-Methylphenol	95-48-7	2,000	N.D.
4-Methylphenol	106-44-5	2,000	N.D.
Naphthalene	91-20-3	2,000	36,000
2-Nitroaniline	88-74-4	2,000	N.D.
3-Nitroaniline	99-09-2	2,000	N.D.
4-Nitroaniline	100-01-6	2,000	N.D.
Nitrobenzene	98-95-3	2,000	N.D.
2-Nitrophenol	88-75-5	2,000	N.D.
4-Nitrophenol	100-02-7	2,000	N.D.
N-Nitrosodiphenylamine	86-30-6	2,000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2,000	N.D.
N-Nitrosodimethylamine	62-75-9	2,000	N.D.
Pentachlorophenol	87-86-5	5,000	N.D.
Phenanthrene	85-01-8	2,000	54,000
Phenol	108-95-2	2,000	N.D.
Pyrene	129-00-0	2,000	74,000
1,2,4-Trichlorobenzene	120-82-1	2,000	N.D.
2,4,5-Trichlorophenol	95-95-4	2,000	N.D.
2,4,6-Trichlorophenol	88-06-2	2,000	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: Soil, OA1-RE2-SP8
Laboratory Sample Number: 97070266
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	400	1,100
Acenaphthylene	208-96-8	400	N.D.
Aniline	62-53-3	400	N.D.
Anthracene	120-12-7	400	3,000
Benzoic Acid	65-85-0	2,000	N.D.
Benzo (a) anthracene	56-55-3	400	8,300
Benzo (b) fluoranthene	205-99-2	1,000	14,000
Benzo (k) fluoranthene	207-08-9	1,000	4,000
Benzo (g,h,i)perylene	191-24-2	1,000	6,000
Benzo (a) pyrene	50-32-8	1,000	7,900
Benzyl alcohol	100-51-6	400	N.D.
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.
Bis(2-chloroethyl)ether	111-44-4	400	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.
4-Bromophenyl phenyl ether	101-55-3	400	N.D.
Butyl benzyl phthalate	85-68-7	400	N.D.
4-Chloroaniline	106-47-8	400	N.D.
2-Chloronaphthalene	91-58-7	400	N.D.
4-Chloro-3-methylphenol	59-50-7	400	N.D.
2-Chlorophenol	95-57-8	400	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.
Chrysene	218-0109	400	15,000
Dibenz(a,h)anthracene	53-70-3	400	1,300
Dibenzofuran	132-64-9	400	N.D.
Di-N-butyl phthalate	84-74-2	1,000	N.D.
1,3-Dichlorobenzene	541-73-1	400	N.D.
1,4-Dichlorobenzene	106-46-7	400	N.D.
1,2-Dichlorobenzene	95-50-1	400	N.D.
3,3-Dichlorobenzidine	91-94-1	400	N.D.
2,4-Dichlorophenol	120-83-2	400	N.D.
Diethyl phthalate	84-66-2	400	N.D.
2,4-Dimethylphenol	105-67-9	400	N.D.
Dimethyl phthalate	131-11-3	400	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.
2,4-Dinitrophenol	51-28-5	400	N.D.
2,4-Dinitrotoluene	121-14-2	1,000	N.D.
2,6-Dinitrotoluene	606-20-2	1,000	N.D.
Di-N-octyl phthalate	117-84-0	400	N.D.

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

Sample Description: Soil, OA1-RE2-SP8
Laboratory Sample #: 97070266

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	400	16,000
Fluorene	86-73-7	400	3,400
Hexachlorobenzene	118-74-1	400	N.D.
Hexachlorobutadiene	87-68-3	400	N.D.
Hexachlorocyclopentadiene	77-47-4	400	N.D.
Hexachloroethane	67-72-1	400	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	1,000	3,900
Isophorone	78-59-1	400	N.D.
2-Methylnaphthalene	91-57-6	400	40,000
2-Methylphenol	95-48-7	400	N.D.
4-Methylphenol	106-44-5	400	N.D.
Naphthalene	91-20-3	400	9,800
2-Nitroaniline	88-74-4	1,000	N.D.
3-Nitroaniline	99-09-2	1,000	N.D.
4-Nitroaniline	100-01-6	400	N.D.
Nitrobenzene	98-95-3	400	N.D.
2-Nitrophenol	88-75-5	400	N.D.
4-Nitrophenol	100-02-7	400	N.D.
N-Nitrosodiphenylamine	86-30-6	400	N.D.
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.
N-Nitrosodimethylamine	62-75-9	400	N.D.
Pentachlorophenol	87-86-5	1,000	N.D.
Phenanthrene	85-01-8	400	21,000
Phenol	108-95-2	400	N.D.
Pyrene	129-00-0	400	34,000
1,2,4-Trichlorobenzene	120-82-1	400	N.D.
2,4,5-Trichlorophenol	95-95-4	400	N.D.
2,4,6-Trichlorophenol	88-06-2	400	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP5

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

Laboratory Sample Number: 97070263
Laboratory Reference #: MWI 9349

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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 9349

Sampled: 07/17/97
Recevied: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070267	Equip Blank	N.D.
97070268	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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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

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070267
Laboratory Reference #: MWI 9349

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

Laboratory Sample Number: 97070268
Laboratory Reference #: MWI 9349

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070267
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070267

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	92
Toluene-d8	100
4-Bromofluorobenzene	95

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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: 97070268
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070268

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	102
4-Bromofluorobenzene	92

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: 97070269
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070269

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	92
Toluene-d8	100
4-Bromofluorobenzene	93

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: 97070267
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070267

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

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

Orange Coast Analytical

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Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070268
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/18/97
Reported: 07/24/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070268

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

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

Orange Coast Analytical

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

Laboratory Sample Number: 97070267
Laboratory Reference #: MWI 9349

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

Laboratory Sample Number: 97070268
Laboratory Reference #: MWI 9349

PCB'S (EPA 8080)

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

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

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Sample Description: Water, Equip Blank

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Laboratory Sample Number: 97070267
Laboratory Reference #: MWI 9349

PCB'S (EPA 8080)

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

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

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Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/21/97
Reported: 07/24/97

Laboratory Sample Number: 97070268
Laboratory Reference #: MWI 9349

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, OA1-RE2-SP4
Laboratory Sample #: 97070262
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	870
C 13-22	15,000
C 23 & Higher	5,500
Total	21,000

Detection Limit:	8.0

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, OA1-RE2-SP5
Laboratory Sample #: 97070263
Laboratory Reference #: MWI 9349

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 07/22/97
Reported: 07/24/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	650
C 13-22	10,000
C 23 & Higher	2,600
Total	14,000

Detection Limit:	8.0

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/18/97
Laboratory Sample No : 97070126
Laboratory Reference No : MWI 9349

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	97	98	97	98	1

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9349

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.9	1.8	76	72	5

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/22/97
Laboratory Sample No : 97070186
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	120	140	48	56	15

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	15	100	75	29

Definition of Terms :

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

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	1.1	1.2	110	120	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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/18/97
Laboratory Sample No : 97070279
Laboratory Reference No : MWI 9349

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	31.0	103	103	0
Arsenic	0.0	10.0	8.4	8.6	84	86	2
Barium	3.0	10.0	14.0	14.0	110	110	0
Beryllium	0.00	1.00	1.04	1.01	104	101	3
Cadmium	0.00	1.00	1.04	1.03	104	103	1
Chromium (Total)	1.00	5.00	6.10	6.10	102	102	0
Chromium (VI)	0.00	1.00	0.88	0.90	88	90	2
Cobalt	0.34	1.00	1.34	1.31	100	97	2
Copper	0.89	1.00	1.84	1.87	95	98	2
Lead	0.00	10.0	8.7	8.9	87	89	2
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	10.7	11.3	107	113	5
Nickel	0.49	5.00	5.7	5.5	104	100	4
Selenium	0.0	10.0	9.9	10.1	99	101	2
Silver	0.0	5.0	4.5	5.0	90	100	11
Thallium	0.0	30.0	30.0	28.0	100	93	7
Vanadium	1.4	5.0	6.4	6.4	100	100	0
Zinc	2.1	5.0	7.3	7.3	104	104	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

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 : 07/18/97
Laboratory Sample No : 97070249
Laboratory Reference No : MWI 9349

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.70	3.10	90	103	14
Arsenic	0.00	1.00	0.87	1.00	87	100	14
Barium	0.000	0.100	0.097	0.107	97	107	10
Beryllium	0.00	0.100	0.104	0.112	104	112	7
Cadmium	0.00	0.100	0.099	0.114	99	114	14
Chromium (VI)	0.00	0.50	0.44	0.46	88	92	4
Chromium (Total)	0.00	0.100	0.094	0.106	94	106	12
Cobalt	0.00	0.100	0.106	0.120	106	120	12
Copper	0.000	0.100	0.095	0.105	95	105	10
Lead	0.00	1.00	0.96	0.96	96	96	0
Mercury	0.000	0.020	0.020	0.022	100	110	10
Molybdenum	0.00	1.00	0.95	1.09	95	109	14
Nickel	0.00	0.50	0.53	0.57	106	114	7
Selenium	0.00	1.00	0.88	1.00	88	100	13
Silver	0.00	0.50	0.47	0.51	94	102	8
Thallium	0.00	3.00	3.30	3.20	110	107	3
Vanadium	0.00	0.50	0.45	0.52	90	104	14
Zinc	0.000	0.100	0.091	0.105	91	105	14

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 : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	50	50	100	100	0
Trichloroethene	0.0	50	46	45	92	90	2
Toluene	0.0	50	51	49	102	98	4
Chlorobenzene	0.0	50	47	46	94	92	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/22/97
Laboratory Sample No : 97070317
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	52	104	104	0
1,1-Dichloroethene	0.0	50	51	50	102	100	2
Trichloroethene	0.0	50	47	46	94	92	2
Toluene	0.0	50	50	50	100	100	0
Chlorobenzene	0.0	50	48	47	96	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

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QC DATA REPORT

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

Date of Analysis : 07/18/97
Laboratory Sample No : 97070269
Laboratory Reference No : MWI 9349

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	19	95	95	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	18	17	90	85	6
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	19	18	95	90	5

Definition of Terms :

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

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QC DATA REPORT

Analysis : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9349

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	82	84	82	84	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9349

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	36	35	72	70	3
n-Nitroso-di-n-propylamine	0.0	50	44	44	88	88	0
1,2,4-Trichlorobenzene	0.0	50	38	37	76	74	3
Acenaphthene	0.0	50	47	46	94	92	2
Pyrene	0.0	50	46	46	92	92	0
Pentachlorophenol	0.0	100	79	77	79	77	3
4-Chloro-3-Methylphenol	0.0	100	72	69	72	69	4
2-Chlorophenol	0.0	100	75	73	75	73	3
Phenol	0.0	100	25	23	25	23	8

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9349

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	44	46	88	92	4
n-Nitroso-di-n-propylamine	0.0	50	44	47	88	94	7
1,2,4-Trichlorobenzene	0.0	50	46	46	92	92	0
Acenaphthene	0.0	50	46	46	92	92	0
Pyrene	0.0	50	41	42	82	84	2
Pentachlorophenol	0.0	100	73	77	73	77	5
4-Chloro-3-Methylphenol	0.0	100	67	72	67	72	7
2-Chlorophenol	0.0	100	80	82	80	82	2
Phenol	0.0	100	73	75	73	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 : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9349

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
Pentachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	1

Definition of Terms :

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

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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

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

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	McDonnell Douglas
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N Madison Ave Pasadena, CA 91101	LOCATION:	C-6 facility
		ADDRESS:	19503 S Normandie Los Angeles, CA
PHONE:	(818)568-6582 FAX: (818)796-5741	SAMPLED BY:	AN / 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
OA1-RE2-SP4	2	7/17/97	1150	Soil	2"x6" SS sleeve	Ice	X	X	X	X					
OA1-RE2-SP5	↓	↓	1315	↓	↓	↓	X	X	X	X					
OA1-RE2-SP6	↓	↓	1350	↓	↓	↓	X	X	X	X					
OA1-RE2-SP7	↓	↓	1420	↓	↓	↓	X	X	X	X					
OA1-RE2-SP8	↓	↓	1540	↓	↓	↓	X	X	X	X					
Equipment Blank	7	↓	1515	Water	4 amber 1 poly 2 VOAs	none HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	↓	1545	↓	↓	↓	X	X	X	X	X	X			
trip Blank	2	7/17/97	—	↓	2 VOAs	HCL			X						

Total No. of Samples: 8

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	7/17/97 1615		
		Received For Lab By: [signature]	7/17/97 16:15

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

Sample Integrity: (check)
Intact ____ on Ice ____

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

BOE-C6-0146757

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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 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/21/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070293	OA1-RE2-SP9	1,300
97070294	OA1-RE2-SP10	420
97070295	OA1-RE3-SP1	48
97070296	OA1-RE3-SP2	1,500
97070297	OA1-RE3-SP3	1,700
97070298	OA1-RE3-SP4	170
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP9

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

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	37
Cobalt	6010	80	8000	0.5	7.6
Copper	6010	25	2500	0.1	16
Lead	6010	5.0	1000	1.0	34
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	35
Zinc	6010	250	5000	0.1	35

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP10

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

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	7.1
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	32
Zinc	6010	250	5000	0.1	40

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, OA1-RE2-SP9
Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE2-SP9
Laboratory Sample #: 97070293

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.	
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	3.9	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	23	<---
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	96
Toluene-d8	95
4-Bromofluorobenzene	99

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	5.2	<---
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample #: 97070294

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	8.5	<---
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	29	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	110	<---
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	98
4-Bromofluorobenzene	93

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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, OA1-RE2-SP9
Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	N.D.	
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	3,000	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	20,000	<---
Benzo (b) fluoranthene	205-99-2	1000	39,000	<---
Benzo (k) fluoranthene	207-08-9	1000	11,000	<---
Benzo (g,h,i)perylene	191-24-2	1000	18,000	<---
Benzo (a) pyrene	50-32-8	1000	17,000	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.	
Chrysene	218-0109	400	46,000	<---
Dibenz(a,h)anthracene	53-70-3	400	4,700	<---
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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

Sample Description: Soil, OA1-RE2-SP9
Laboratory Sample #: 97070293

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	400	46,000	<—
Fluorene	86-73-7	400	N.D.	
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	15,000	<—
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	N.D.	
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	N.D.	
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	12,000	<—
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	57,000	<—
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	200	N.D.	
Acenaphthylene	208-96-8	200	N.D.	
Aniline	62-53-3	200	N.D.	
Anthracene	120-12-7	200	940	<---
Benzoic Acid	65-85-0	1000	N.D.	
Benzo (a) anthracene	56-55-3	200	5,500	<---
Benzo (b) fluoranthene	205-99-2	500	8,800	<---
Benzo (k) fluoranthene	207-08-9	500	2,000	<---
Benzo (g,h,i)perylene	191-24-2	500	4,000	<---
Benzo (a) pyrene	50-32-8	500	3,600	<---
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 ehter	7005-72-3	200	N.D.	
Chrysene	218-0109	200	13,000	<---
Dibenz(a,h)anthracene	53-70-3	200	1,100	<---
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.	
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.	

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

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample #: 97070294

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	200	13,000	<---
Fluorene	86-73-7	200	230	<---
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	3,400	<---
Isophorone	78-59-1	200	N.D.	
2-Methylnaphthalene	91-57-6	200	3,000	<---
2-Methylphenol	95-48-7	200	N.D.	
4-Methylphenol	106-44-5	200	N.D.	
Naphthalene	91-20-3	200	770	<---
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	3,900	<---
Phenol	108-95-2	200	N.D.	
Pyrene	129-00-0	200	12,000	<---
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 detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070299	Equip Blank	N.D.
97070300	Rinsate Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

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, Equip Blank
Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	89
Toluene-d8	96
4-Bromofluorobenzene	95

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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: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	88
Toluene-d8	100
4-Bromofluorobenzene	93

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: 97070301
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070301

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	90
Toluene-d8	98
4-Bromofluorobenzene	94

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

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Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor 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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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/21/97
Laboratory Sample No : 97070222
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	102	95	102	95	7

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.3	88	92	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	0.0	10.0	9.2	8.0	92	80	14
Barium	6.7	10.0	17.0	17.0	103	103	0
Beryllium	0.00	1.00	0.95	0.96	95	96	1
Cadmium	0.00	1.00	0.99	0.99	99	99	0
Chromium (Total)	1.30	5.00	6.50	6.30	104	100	3
Chromium (VI)	0.00	1.00	0.88	0.84	88	84	5
Cobalt	0.33	1.00	1.20	1.20	87	87	0
Copper	5.10	5.00	11.00	10.60	118	110	4
Lead	2.20	10.0	11.2	11.9	90	97	6
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	9.9	9.7	99	97	2
Nickel	0.40	5.00	5.0	4.8	93	88	4
Selenium	0.0	10.0	9.6	8.9	96	89	8
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	1.8	5.0	6.7	6.5	98	94	3
Zinc	9.9	10.0	18.7	19.3	88	94	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 : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070300
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.70	83	90	8
Arsenic	0.00	1.00	1.02	1.04	102	104	2
Barium	0.000	0.100	0.081	0.089	81	89	9
Beryllium	0.00	0.100	0.099	0.099	99	99	0
Cadmium	0.00	0.100	0.104	0.099	104	99	5
Chromium (VI)	0.00	0.50	0.45	0.40	90	80	12
Chromium (Total)	0.00	0.100	0.091	0.094	91	94	3
Cobalt	0.00	0.100	0.116	0.120	116	120	3
Copper	0.000	0.100	0.097	0.099	97	99	2
Lead	0.00	1.00	1.00	0.92	100	92	8
Mercury	0.000	0.020	0.021	0.023	105	115	9
Molybdenum	0.00	1.00	0.82	0.89	82	89	8
Nickel	0.00	0.50	0.48	0.54	96	108	12
Selenium	0.00	1.00	1.08	0.94	108	94	14
Silver	0.00	0.50	0.47	0.47	94	94	0
Thallium	0.00	3.00	2.70	2.90	90	97	7
Vanadium	0.00	0.50	0.50	0.50	100	100	0
Zinc	0.000	0.100	0.084	0.090	84	90	7

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	50	50	100	100	0
Trichloroethene	0.0	50	46	45	92	90	2
Toluene	0.0	50	51	49	102	98	4
Chlorobenzene	0.0	50	47	46	94	92	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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : 97070301
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	1.1	1.2	110	120	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 : PCB 'S (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	15	100	75	29

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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Laboratory Director

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/22/97
Laboratory Sample No : 97070186
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	120	140	48	56	15

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
Pentachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	1

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	37	37	74	74	0
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	45	46	90	92	2
Pentachlorophenol	0.0	100	78	78	78	78	0
4-Chloro-3-Methylphenol	0.0	100	67	68	67	68	1
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	23	24	23	24	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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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

[redacted]

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N Madison
Pasadena, CA 91101
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035, 01090016
LOCATION: C-6 facility,
ADDRESS: 19503 S Normandie
Los Angeles, CA
SAMPLED BY: Anil Iv

SAMPLE ID	#	Date	Time	Matrix	Container	Preservative	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
OA1-RE2-SP9	2	7/18/97	1310	Soil	2 1/2" SS sleeve	Ice	X	X	X	X					
OA1-RE2-SP10			1330				X	X	X	X					
OA1-RE3-SP1			1400				X	X	X	X					
OA1-RE3-SP2			1420				X	X	X	X					
OA1-RE3-SP3			1440				X	X	X	X					
OA1-RE3-SP4			1510				X	X	X	X					
Equipment Blank	7	7/18/97	1500	Water	4 amber 1 poly 2 vom	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	7/18/97	1515				X	X	X	X	X	X			
Trip Blank	2	7/18/97			2 Voas	HCL			X						

Total No. of Samples: 9

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/18/97 1645		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/18/97 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 fo. [illegible]posal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0146797

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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,
Laboratory Reference #: MWI 9349A

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 08/04/97
Reported: 08/04/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070263	OA1-RE2-SP5	3.0
97070265	OA1-RE2-SP7	2.3
Detection Limit:		0.1

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,
Laboratory Reference #: MWI 9349A

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 08/04/97
Reported: 08/04/97

STLC LEAD (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070263	OA1-RE2-SP5	7.2
97070265	OA1-RE2-SP7	6.0
Detection Limit:		1.0

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,
Laboratory Reference #: MWI 9349A

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 08/04/97
Reported: 08/04/97

TCLP LEAD (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070263	OA1-RE2-SP5	N.D.
97070265	OA1-RE2-SP7	N.D.
Detection Limit:		1.0

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,
Laboratory Reference #: MWI 9349A

Sampled: 07/17/97
Received: 07/17/97
Analyzed: 08/04/97
Reported: 08/04/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070263	OA1-RE2-SP5	N.D.
97070265	OA1-RE2-SP7	N.D.
Detection Limit:		0.1

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

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QC DATA REPORT

Analysis : TCLP (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070221
Laboratory Reference No : MWI 9349A

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	0.13	1.00	1.08	1.18	95	105	9
Lead	0.0	10	9.0	10	90	100	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 : STLC (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070265
Laboratory Reference No : MWI 9349A

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	2.3	2.0	4.4	4.2	105	95	5
Lead	6.0	10.0	15.0	15.4	90	94	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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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 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/06/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97060199	RR-GS-33-4'	N.D.
97060200	RR-GS-34-4'	54
97060201	RR-GS-35-4'	48
97060202	RR-GS-36-4'	28
97060203	RR-GS-37-4'	N.D.

Detection Limit:	8.0

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Extractable Hydrocarbons (mg/kg)
97060200	RR-GS-34-4'	N.D.
97060203	RR-GS-37-4'	N.D.

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

Analysis Method: EPA 5030/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (mg/kg) (ppm)*
97060200	RR-GS-34-4'	N.D.
97060203	RR-GS-37-4'	N.D.

Detection Limit:	5.0

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

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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, RR-GS-37-4'

Sampled: 06/05/97
Recevied: 06/05/09
Analyzed: 06/09/97
Reported: 06/17/97

Laboratory Sample Number: 97060203
Laboratory Reference #: MWI 9166

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	99
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	25
Cobalt	6010	80	8000	0.5	6.8
Copper	6010	25	2500	0.1	9.5
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	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	28
Zinc	6010	250	5000	0.1	32

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

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, RR-GS-37-4'
Laboratory Sample Number: 97060203
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-35-3	2.5	N.D.
1,2-Dichloroethene	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-Dichloropropene	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.
Tetrachloroethane	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	79-22-5	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-Dichloropropene	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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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, RR-GS-37-4'
Laboratory Sample #: 97060203

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (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	106-4-4	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.
1,2,3-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	102
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, RR-GS-37-4'
Laboratory Sample Number: 97060203
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/09/97
Reported: 06/17/97

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

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

Sample Description: Soil, RR-GS-37-4'
Laboratory Sample #: 97060203

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, RR-GS-37-4'

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

Laboratory Sample Number: 97060203
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, RR-GS-37-4'
Laboratory Sample #: 97060203
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

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

Detection Limit:	8.0

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/09/97
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	***Client Sample Number***	***Extractable Hydrocarbons mg/l (ppm)***
97060209	Equip Blank	N.D.
97060210	Rinsate Blank	N.D.

Detection Limit:	0.5

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Extractable Hydrocarbons (mg/l)
97060209	Equip Blank	N.D.
97060210	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

Analysis Method: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (ug/l) (ppb)*
97060209	Equip Blank	N.D.
97060210	Rinsate Blank	N.D.

Detection Limit:	50

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

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

Sampled: 06/05/97
Recevied: 06/06/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/06/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97060209

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	102
4-Bromofluorobenzene	96

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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: 97060210
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97060210

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	102
4-Bromofluorobenzene	95

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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: 97060211
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97060211

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	103
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: Water, Equip Blank
Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97060209

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

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, Rinsate Blank
Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97060210

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

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

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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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

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

Analysis : Diesel (EPA 8015m)

Date of Analysis : 06/12/97
Laboratory Sample No : 97060101
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	87	90	87	90	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 : Diesel (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	5.0	3.6	2.9	72	58	22

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	90	94	90	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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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/09/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.1	2.0	84	80	5

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/10/97
Laboratory Sample No : 97060115
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.00	3.00	100	100	0
Arsenic	0.00	1.00	1.00	0.85	100	85	16
Barium	0.000	0.100	0.099	0.094	99	94	5
Beryllium	0.00	0.100	0.098	0.100	98	100	2
Cadmium	0.00	0.100	0.088	0.085	88	85	3
Chromium (VI)	0.00	0.50	0.42	0.42	84	84	0
Chromium (Total)	0.00	0.100	0.082	0.097	82	97	17
Cobalt	0.00	0.100	0.100	0.089	100	89	12
Copper	0.000	0.100	0.099	0.100	99	100	1
Lead	0.00	1.00	0.83	0.88	83	88	6
Mercury	0.000	0.020	0.023	0.020	115	100	14
Molybdenum	0.00	1.00	1.04	0.95	104	95	9
Nickel	0.00	0.50	0.43	0.44	86	88	2
Selenium	0.00	1.00	1.20	1.10	120	110	9
Silver	0.00	0.50	0.42	0.39	84	78	7
Thallium	0.00	3.00	3.00	3.00	100	100	0
Vanadium	0.00	0.50	0.45	0.43	90	86	5
Zinc	0.000	0.100	0.083	0.081	83	81	2

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/09/97
Laboratory Sample No : 97060208
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	35.0	32.0	117	107	9
Arsenic	0.0	10.0	9.0	8.0	90	80	12
Barium	11.0	10.0	23.0	23.0	120	120	0
Beryllium	0.00	1.00	1.03	1.01	103	101	2
Cadmium	0.00	1.00	1.05	0.98	105	98	7
Chromium (Total)	3.5	5.0	8.6	8.7	102	104	1
Chromium (VI)	0.00	1.00	1.01	1.06	101	106	5
Cobalt	0.82	1.00	1.90	1.93	108	111	2
Copper	3.70	1.00	4.51	4.66	81	96	3
Lead	0.0	10.0	8.5	9.4	85	94	10
ercury	0.000	0.020	0.020	0.020	100	100	0
Molybdenum	0.0	10.0	10.2	10.5	102	105	3
Nickel	1.50	5.00	6.80	6.50	106	100	5
Selenium	0.0	10.0	10.2	9.8	102	98	4
Silver	0.0	5.0	4.1	4.1	82	82	0
Thallium	0.0	30.0	27.0	27.0	90	90	0
Vanadium	3.0	5.0	8.2	7.7	104	94	6
Zinc	6.2	5.0	11.5	11.4	106	104	1

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/11/97
Laboratory Sample No : 97060200
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	44	106	88	19
1,1-Dichloroethene	0.0	50	56	45	112	90	22
Trichloroethene	0.0	50	49	42	98	84	15
Toluene	0.0	50	52	43	104	86	19
Chlorobenzene	0.0	50	48	41	96	82	16

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	14	55	70	24

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060105
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	250	220	100	88	13

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/11/97
Laboratory Sample No : 97060211
Laboratory Reference No : MWI 9166

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	21	21	105	105	0
Trichloroethene	0.0	20	19	20	95	100	5
Toluene	0.0	20	20	22	100	110	10
Chlorobenzene	0.0	20	19	20	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

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QC DATA REPORT

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

Date of Analysis : 06/09/97
Laboratory Sample No : 97060200
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	62	108	124	14

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	250	280	250	112	100	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 : 06/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.65	0.80	65	80	21

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 : 06/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	33	34	66	68	3
n-Nitroso-di-n-propylamine	0.0	50	44	41	88	82	7
1,2,4-Trichlorobenzene	0.0	50	33	34	66	68	3
Acenaphthene	0.0	50	41	43	82	86	5
Pyrene	0.0	50	39	40	78	80	3
entachlorophenol	0.0	100	69	73	69	73	6
4-Chloro-3-Methylphenol	0.0	100	52	54	52	54	4
2-Chlorophenol	0.0	100	75	74	75	74	1
Phenol	0.0	100	26	25	26	25	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

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QC DATA REPORT

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

Date of Analysis : 06/09/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9166

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	45	55	90	110	20
1,2,4-Trichlorobenzene	0.0	50	39	39	78	78	0
Acenaphthene	0.0	50	43	44	86	88	2
Pyrene	0.0	50	42	44	84	88	5
Pentachlorophenol	0.0	100	72	75	72	75	4
4-Chloro-3-Methylphenol	0.0	100	62	65	62	65	5
2-Chlorophenol	0.0	100	78	80	78	80	3
Phenol	0.0	100	69	74	69	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

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Ana[illegible] [illegible]equest and Chain [illegible] Custody Record

Lab Job No: ____
Page 1 / 1

[redacted]

CUSTOMER INFORMATION

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SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
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		ADDRESS:	19503 S. Normandie Ave Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	IV/MM

							Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain	Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-33-4'	2	6/5/97	0747	Soil	2 3/8" SS sleeve	ICE	X			X		X				
RR-GS-34-4'			0801				X	X	X	X	X	X		X	X	
RR-GS-35-4'			0813				X			X		X				
RR-GS-36-4'			0823				X			X		X				
RR-GS-37-4'			1031				X	X	X	X	X	X		X	X	
B37-GS-178C-3'			1130				X									
B37-GS-178D-3'			1140				X									
B37-GS-178E-3'			1250				X									
B37-GS-178F-3'			1305				X									
B37-GS-178G-3'			1315				X									
Equipment Blank	9		1415	Water	6 amber [illegible]	[illegible]	X	X	X	X	X	X	X		X	
Rinsate Blank	9		1430				X	X	X	X	X	X	X		X	
Trip Blank	2		—		2 vials	HCl		X								

Total No. of Samples: 13

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	6/5/97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 6/5/97 16:00

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

Sample Integrity: (check)
Intact ____ on ice ____

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

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

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on Soil Standard TAT

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N Madison
Pasadena, CA 91101
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035, 01090016
LOCATION: C-6 facility,
ADDRESS: 19503 S Normandie
Los Angeles, CA
SAMPLED BY: ANJIV

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
OA1-RE2-SP9	2	7/18/97	1310	Soil	2"x6" SS sleeve	Ice	X	X	X	X					
OA1-RE2-SP10			1330				X	X	X	X					
OA1-RE3-SP1			1400				X	X	X	X					
OA1-RE3-SP2			1420				X	X	X	X					
OA1-RE3-SP3			1440				X	X	X	X					
OA1-RE3-SP4			1510				X	X	X	X					
EQUIPMENT Blank	7	7/18/97	1500	Water	4 amber 1 poly 2 VOAs	non-HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	7/18/97	1515				X	X	X	X	X	X			
Trip Blank	2	7/18/97			2 VOAs	HCL			X						

Total No. of Samples: 9

Method of Shipment:

Relinquished By: Ivan Vargas Date/Time: 7/18/97 1645

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: [illegible] Date/Time: 7/18/97 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-C6-0146849

ORANGE COAST ANALYTICAL, INC.
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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 : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
Pentachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	37	37	74	74	0
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	45	46	90	92	2
Pentachlorophenol	0.0	100	78	78	78	78	0
4-Chloro-3-Methylphenol	0.0	100	67	68	67	68	1
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	23	24	23	24	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	15	100	75	29

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 : 07/22/97
Laboratory Sample No : 97070186
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	120	140	48	56	15

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : 97070301
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	1.1	1.2	110	120	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 : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070300
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.70	83	90	8
Arsenic	0.00	1.00	1.02	1.04	102	104	2
Barium	0.000	0.100	0.081	0.089	81	89	9
Beryllium	0.00	0.100	0.099	0.099	99	99	0
Cadmium	0.00	0.100	0.104	0.099	104	99	5
Chromium (VI)	0.00	0.50	0.45	0.40	90	80	12
Chromium (Total)	0.00	0.100	0.091	0.094	91	94	3
Cobalt	0.00	0.100	0.116	0.120	116	120	3
Copper	0.000	0.100	0.097	0.099	97	99	2
Lead	0.00	1.00	1.00	0.92	100	92	8
Mercury	0.000	0.020	0.021	0.023	105	115	9
Molybdenum	0.00	1.00	0.82	0.89	82	89	8
Nickel	0.00	0.50	0.48	0.54	96	108	12
Selenium	0.00	1.00	1.08	0.94	108	94	14
Silver	0.00	0.50	0.47	0.47	94	94	0
Thallium	0.00	3.00	2.70	2.90	90	97	7
Vanadium	0.00	0.50	0.50	0.50	100	100	0
Zinc	0.000	0.100	0.084	0.090	84	90	7

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	50	50	100	100	0
Trichloroethene	0.0	50	46	45	92	90	2
Toluene	0.0	50	51	49	102	98	4
Chlorobenzene	0.0	50	47	46	94	92	2

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.3	88	92	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	0.0	10.0	9.2	8.0	92	80	14
Barium	6.7	10.0	17.0	17.0	103	103	0
Beryllium	0.00	1.00	0.95	0.96	95	96	1
Cadmium	0.00	1.00	0.99	0.99	99	99	0
Chromium (Total)	1.30	5.00	6.50	6.30	104	100	3
Chromium (VI)	0.00	1.00	0.88	0.84	88	84	5
Cobalt	0.33	1.00	1.20	1.20	87	87	0
Copper	5.10	5.00	11.00	10.60	118	110	4
Lead	2.20	10.0	11.2	11.9	90	97	6
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	9.9	9.7	99	97	2
Nickel	0.40	5.00	5.0	4.8	93	88	4
Selenium	0.0	10.0	9.6	8.9	96	89	8
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	1.8	5.0	6.7	6.5	98	94	3
Zinc	9.9	10.0	18.7	19.3	88	94	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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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/21/97
Laboratory Sample No : 97070222
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	102	95	102	95	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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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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

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070301

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	90
Toluene-d8	98
4-Bromofluorobenzene	94

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	88
Toluene-d8	100
4-Bromofluorobenzene	93

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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: 97070301
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	89
Toluene-d8	96
4-Bromofluorobenzene	95

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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: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

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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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: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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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 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070299	Equip Blank	N.D.
97070300	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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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

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

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

Sample Description: Soil, OA1-RE3-SP4
Laboratory Sample #: 97070298

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	100	1,300	<---
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	580	<---
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	180	<---
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	570	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	1,600	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP3

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample #: 97070297

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	400	5,100	<---
Fluorene	86-73-7	400	2,800	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	1,300	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	52,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	14,000	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	16,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	20,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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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, OA1-RE3-SP4
Laboratory Sample Number: 97070298
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	110	<---
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	470	<---
Benzo (b) fluoranthene	205-99-2	250	1,400	<---
Benzo (k) fluoranthene	207-08-9	250	470	<---
Benzo (g,h,i)perylene	191-24-2	250	790	<---
Benzo (a) pyrene	50-32-8	250	640	<---
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	1,300	<---
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.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample #: 97070296

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	400	11,000	<---
Fluorene	86-73-7	400	3,400	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	2,300	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	45,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	14,000	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	20,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	18,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Acenaphthene	83-32-9	400	1,200	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	2,600	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	4,000	<---
Benzo (b) fluoranthene	205-99-2	1000	4,000	<---
Benzo (k) fluoranthene	207-08-9	1000	1,400	<---
Benzo (g,h,i)perylene	191-24-2	1000	3,000	<---
Benzo (a) pyrene	50-32-8	1000	3,900	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	400	N.D.	
Chrysene	218-0109	400	6,800	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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

Sample Description: Soil, OA1-RE3-SP1
Laboratory Sample #: 97070295

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	100	560	<---
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	310	<---
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	620	<---
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	160	<---
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	400	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	890	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	1,400	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	3,200	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	6,300	<---
Benzo (b) fluoranthene	205-99-2	1000	7,600	<---
Benzo (k) fluoranthene	207-08-9	1000	1,700	<---
Benzo (g,h,i)perylene	191-24-2	1000	3,700	<---
Benzo (a) pyrene	50-32-8	1000	5,100	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	400	N.D.	
Chrysene	218-0109	400	9,500	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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

Sample Description: Soil, OA1-RE3-SP4
Laboratory Sample #: 97070298

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	89
Toluene-d8	99
4-Bromofluorobenzene	95

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

Sample Description: Soil, OA1-RE3-SP1
Laboratory Sample Number: 97070295
Laboratory Reference #: MWI 9359

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	360	<---
Benzo (b) fluoranthene	205-99-2	250	780	<---
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	450	<---
Benzo (a) pyrene	50-32-8	250	360	<---
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	740	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample #: 97070297

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	100	N.D.	
Isopropylbenzene	98-82-8	100	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.	
1,2,3-Trichloropropane	96-18-4	100	N.D.	
Bromobenzene	108-86-1	100	N.D.	
n-Propylbenzene	103-65-1	100	N.D.	
2-Chlorotoluene	95-49-8	100	N.D.	
1,3,5-Trimethylbenzene	108-67-8	100	590	<---
4-Chlorotoluene	106-43-4	100	N.D.	
tert-Butylbenzene	98-06-6	100	N.D.	
1,2,4-Trimethylbenzene	95-63-6	100	1,000	<---
sec-Butylbenzene	135-98-8	100	N.D.	
4-Isopropyltoluene	99-87-6	100	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
n-Butylbenzene	104-51-8	100	260	<---
1,2-Dichlorobenzene	95-50-1	100	N.D.	
1,2-Dibromo-3-CPA	96-12-8	200	N.D.	
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Naphthalene	91-20-3	100	14,000	<---
1,2,3-Trichlorobenzene	87-61-6	100	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	96
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: Soil, OA1-RE3-SP4
Laboratory Sample Number: 97070298
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample #: 97070296

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	200	N.D.	
Isopropylbenzene	98-82-8	200	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	200	N.D.	
1,2,3-Trichloropropane	96-18-4	200	N.D.	
Bromobenzene	108-86-1	200	N.D.	
n-Propylbenzene	103-65-1	200	310	<---
2-Chlorotoluene	95-49-8	200	N.D.	
1,3,5-Trimethylbenzene	108-67-8	200	1,500	<---
4-Chlorotoluene	106-43-4	200	N.D.	
tert-Butylbenzene	98-06-6	200	N.D.	
1,2,4-Trimethylbenzene	95-63-6	200	2,500	<---
sec-Butylbenzene	135-98-8	200	N.D.	
4-Isopropyltoluene	99-87-6	200	N.D.	
1,3-Dichlorobenzene	541-73-1	200	N.D.	
1,4-Dichlorobenzene	106-46-7	200	N.D.	
n-Butylbenzene	104-51-8	200	420	<---
1,2-Dichlorobenzene	95-50-1	200	N.D.	
1,2-Dibromo-3-CPA	96-12-8	400	N.D.	
1,2,4-Trichlorobenzene	120-82-1	200	N.D.	
Hexachlorobutadiene	87-68-3	200	N.D.	
Naphthalene	91-20-3	200	20,000	<---
1,2,3-Trichlorobenzene	87-61-6	200	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	95
Toluene-d8	97
4-Bromofluorobenzene	95

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	100	N.D.	
Bromodichloromethane	75-27-4	100	N.D.	
Bromoform	75-25-2	100	N.D.	
Bromomethane	74-83-9	100	N.D.	
Carbon Disulfide	75-15-0	200	N.D.	
Carbon tetrachloride	56-23-5	100	N.D.	
Chlorobenzene	108-90-7	100	N.D.	
Chlorodibromomethane	124-48-1	100	N.D.	
Chloroethane	75-00-3	100	N.D.	
2-Chloroethyl vinyl ether	110-75-8	200	N.D.	
Chloroform	67-66-3	100	N.D.	
Chloromethane	74-87-3	100	N.D.	
1,1-Dichloroethane	75-34-3	100	N.D.	
1,2-Dichloroethane	107-06-2	100	N.D.	
1,1-Dichloroethene	75-35-4	100	N.D.	
Trans 1,2-Dichloroethene	156-60-5	100	N.D.	
1,2-Dichloropropane	78-87-5	100	N.D.	
cis-1,3-Dichloropropene	10061-01-5	100	N.D.	
trans-1,3-Dichloropropene	10061-02-6	100	N.D.	
Ethylbenzene	100-41-4	100	130	<—
Methylene chloride	75-09-2	200	N.D.	
Styrene	100-42-5	100	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.	
Tetrachloroethene	127-18-4	100	N.D.	
Toluene	108-88-3	100	N.D.	
1,1,1-Trichloroethane	71-55-6	100	N.D.	
1,1,2-Trichloroethane	79-00-5	100	N.D.	
Trichloroethene	79-01-6	100	N.D.	
Trichlorofluoromethane	75-69-4	200	N.D.	
Vinyl acetate	108-05-4	200	N.D.	
Vinyl chloride	75-01-4	100	N.D.	
Total Xylenes	1330-20-7	100	N.D.	
Dichlorodifluoromethane	75-71-8	100	N.D.	
cis-1-2,-Dichloroethene	156-59-2	100	N.D.	
2,2-Dichloropropane	594-20-7	100	N.D.	
Bromochloromethane	74-97-5	100	N.D.	
1,1-Dichloropropene	563-58-6	100	N.D.	
Dibromomethane	74-95-3	100	N.D.	
1,2-Dibromoethane	106-93-4	100	N.D.	

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

Sample Description: Soil, OA1-RE3-SP1
Laboratory Sample #: 97070295

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.	
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	9.8	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	110	<---
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	91
Toluene-d8	97
4-Bromofluorobenzene	95

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
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250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/24/97
Reported: 07/25/97

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	200	N.D.	
Bromodichloromethane	75-27-4	200	N.D.	
Bromoform	75-25-2	200	N.D.	
Bromomethane	74-83-9	200	N.D.	
Carbon Disulfide	75-15-0	400	N.D.	
Carbon tetrachloride	56-23-5	200	N.D.	
Chlorobenzene	108-90-7	200	N.D.	
Chlorodibromomethane	124-48-1	200	N.D.	
Chloroethane	75-00-3	200	N.D.	
2-Chloroethyl vinyl ether	110-75-8	400	N.D.	
Chloroform	67-66-3	200	N.D.	
Chloromethane	74-87-3	200	N.D.	
1,1-Dichloroethane	75-34-3	200	N.D.	
1,2-Dichloroethane	107-06-2	200	N.D.	
1,1-Dichloroethene	75-35-4	200	N.D.	
Trans 1,2-Dichloroethene	156-60-5	200	N.D.	
1,2-Dichloropropane	78-87-5	200	N.D.	
cis-1,3-Dichloropropene	10061-01-5	200	N.D.	
trans-1,3-Dichloropropene	10061-02-6	200	N.D.	
Ethylbenzene	100-41-4	200	300	<---
Methylene chloride	75-09-2	400	N.D.	
Styrene	100-42-5	200	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	200	N.D.	
Tetrachloroethene	127-18-4	200	N.D.	
Toluene	108-88-3	200	N.D.	
1,1,1-Trichloroethane	71-55-6	200	N.D.	
1,1,2-Trichloroethane	79-00-5	200	N.D.	
Trichloroethene	79-01-6	200	N.D.	
Trichlorofluoromethane	75-69-4	400	N.D.	
Vinyl acetate	108-05-4	400	N.D.	
Vinyl chloride	75-01-4	200	N.D.	
Total Xylenes	1330-20-7	200	N.D.	
Dichlorodifluoromethane	75-71-8	200	N.D.	
cis-1-2,-Dichloroethene	156-59-2	200	N.D.	
2,2-Dichloropropane	594-20-7	200	N.D.	
Bromochloromethane	74-97-5	200	N.D.	
1,1-Dichloropropene	563-58-6	200	N.D.	
Dibromomethane	74-95-3	200	N.D.	
1,2-Dibromoethane	106-93-4	200	N.D.	

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP4

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070298
Laboratory Reference #: MWI 9359

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	30
Cobalt	6010	80	8000	0.5	7.7
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	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	49

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP1
Laboratory Sample Number: 97070295
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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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, OA1-RE3-SP2

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

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	7.8
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	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	34
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

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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, OA1-RE3-SP3

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

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	25
Cobalt	6010	80	8000	0.5	7.3
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	34
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

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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 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/21/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070293	OA1-RE2-SP9	1,300
97070294	OA1-RE2-SP10	420
97070295	OA1-RE3-SP1	48
97070296	OA1-RE3-SP2	1,500
97070297	OA1-RE3-SP3	1,700
97070298	OA1-RE3-SP4	170

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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, OA1-RE3-SP1

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070295
Laboratory Reference #: MWI 9359

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	30
Cobalt	6010	80	8000	0.5	7.2
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	35
Zinc	6010	250	5000	0.1	46

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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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 06/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.65	0.80	65	80	21

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 : 06/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	33	34	66	68	3
n-Nitroso-di-n-propylamine	0.0	50	44	41	88	82	7
1,2,4-Trichlorobenzene	0.0	50	33	34	66	68	3
Acenaphthene	0.0	50	41	43	82	86	5
Pyrene	0.0	50	39	40	78	80	3
Pentachlorophenol	0.0	100	69	73	69	73	6
4-Chloro-3-Methylphenol	0.0	100	52	54	52	54	4
2-Chlorophenol	0.0	100	75	74	75	74	1
Phenol	0.0	100	26	25	26	25	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

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

QC DATA REPORT

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

Date of Analysis : 06/09/97
Laboratory Sample No : 97060200
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	62	108	124	14

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	250	280	250	112	100	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 : 06/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.65	0.80	65	80	21

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 : 06/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	33	34	66	68	3
n-Nitroso-di-n-propylamine	0.0	50	44	41	88	82	7
1,2,4-Trichlorobenzene	0.0	50	33	34	66	68	3
Acenaphthene	0.0	50	41	43	82	86	5
Pyrene	0.0	50	39	40	78	80	3
Pentachlorophenol	0.0	100	69	73	69	73	6
4-Chloro-3-Methylphenol	0.0	100	52	54	52	54	4
2-Chlorophenol	0.0	100	75	74	75	74	1
Phenol	0.0	100	26	25	26	25	4

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/09/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9166

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	45	55	90	110	20
1,2,4-Trichlorobenzene	0.0	50	39	39	78	78	0
Acenaphthene	0.0	50	43	44	86	88	2
Pyrene	0.0	50	42	44	84	88	5
Pentachlorophenol	0.0	100	72	75	72	75	4
4-Chloro-3-Methylphenol	0.0	100	62	65	62	65	5
2-Chlorophenol	0.0	100	78	80	78	80	3
Phenol	0.0	100	69	74	69	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

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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

[redacted]

COMPANY: Montgomery Watson	PROJECT NAME: Mc Donnell Douglas
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101	LOCATION: Bldg. 37 Area
	ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
PHONE: 818-568-6582 FAX: 818-796-5941	SAMPLED BY: IV/MM

							Title 22 metals	VOCs 8260	SVOCs 8270	TPH 8015	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain	Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-33-4'	2	6/5/97	0747	Soil	2x6oz	ICE	X			X		X				
RR-GS-34-4'			0801				X	X	X	X	X	X		X	X	
RR-GS-35-4'			0813				X			X		X				
RR-GS-36-4'			0823				X			X		X				
RR-GS-37-4'			1031				X	X	X	X	X	X		X	X	
B37-GS-178C-3'			1130				X									
B37-GS-178D-3'			1140				X									
B37-GS-178E-3'			1250				X									
B37-GS-178F-3'			1305				X									
B37-GS-178G-3'			1315				X									
Equipment Blank	9		1415	Water	2x1L amber	2x1L amber	X	X	X	X	X	X	X		X	
Rinsate Blank	9		1430				X	X	X	X	X	X	X		X	
Trip Blank	2		—		2 vials	HCl		X								

Total No. of Samples: 13

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vega	6/5/97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Jim Adams	Date/Time: 6/5/97 16:00

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

Sample Integrity: (check)
Intact _____ on ice _____

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

BOE-C6-0146907

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060105
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	250	220	100	88	13

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 06/11/97
Laboratory Sample No : 97060211
Laboratory Reference No : MWI 9166

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	21	21	105	105	0
Trichloroethene	0.0	20	19	20	95	100	5
Toluene	0.0	20	20	22	100	110	10
Chlorobenzene	0.0	20	19	20	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

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QC DATA REPORT

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

Date of Analysis : 06/11/97
Laboratory Sample No : 97060200
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	44	106	88	19
1,1-Dichloroethene	0.0	50	56	45	112	90	22
Trichloroethene	0.0	50	49	42	98	84	15
Toluene	0.0	50	52	43	104	86	19
Chlorobenzene	0.0	50	48	41	96	82	16

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	14	55	70	24

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/10/97
Laboratory Sample No : 97060115
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.00	3.00	100	100	0
Arsenic	0.00	1.00	1.00	0.85	100	85	16
Barium	0.000	0.100	0.099	0.094	99	94	5
Beryllium	0.00	0.100	0.098	0.100	98	100	2
Cadmium	0.00	0.100	0.088	0.085	88	85	3
Chromium (VI)	0.00	0.50	0.42	0.42	84	84	0
Chromium (Total)	0.00	0.100	0.082	0.097	82	97	17
Cobalt	0.00	0.100	0.100	0.089	100	89	12
Copper	0.000	0.100	0.099	0.100	99	100	1
Lead	0.00	1.00	0.83	0.88	83	88	6
Mercury	0.000	0.020	0.023	0.020	115	100	14
Molybdenum	0.00	1.00	1.04	0.95	104	95	9
Nickel	0.00	0.50	0.43	0.44	86	88	2
Selenium	0.00	1.00	1.20	1.10	120	110	9
Silver	0.00	0.50	0.42	0.39	84	78	7
Thallium	0.00	3.00	3.00	3.00	100	100	0
Vanadium	0.00	0.50	0.45	0.43	90	86	5
Zinc	0.000	0.100	0.083	0.081	83	81	2

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/09/97
Laboratory Sample No : 97060208
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	35.0	32.0	117	107	9
Arsenic	0.0	10.0	9.0	8.0	90	80	12
Barium	11.0	10.0	23.0	23.0	120	120	0
Beryllium	0.00	1.00	1.03	1.01	103	101	2
Cadmium	0.00	1.00	1.05	0.98	105	98	7
Chromium (Total)	3.5	5.0	8.6	8.7	102	104	1
Chromium (VI)	0.00	1.00	1.01	1.06	101	106	5
Cobalt	0.82	1.00	1.90	1.93	108	111	2
Copper	3.70	1.00	4.51	4.66	81	96	3
Lead	0.0	10.0	8.5	9.4	85	94	10
Mercury	0.000	0.020	0.020	0.020	100	100	0
Molybdenum	0.0	10.0	10.2	10.5	102	105	3
Nickel	1.50	5.00	6.80	6.50	106	100	5
Selenium	0.0	10.0	10.2	9.8	102	98	4
Silver	0.0	5.0	4.1	4.1	82	82	0
Thallium	0.0	30.0	27.0	27.0	90	90	0
Vanadium	3.0	5.0	8.2	7.7	104	94	6
Zinc	6.2	5.0	11.5	11.4	106	104	1

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	90	94	90	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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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/09/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.1	2.0	84	80	5

Definition of Terms :

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

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QC DATA REPORT

Analysis : Diesel (EPA 8015m)

Date of Analysis : 06/12/97
Laboratory Sample No : 97060101
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	87	90	87	90	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 : Diesel (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9166

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	5.0	3.6	2.9	72	58	22

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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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

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/12/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97060210

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

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: 97060209
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97060209

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

Orange Coast Analytical

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97060211
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97060211

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	103
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: ***Water, Rinsate Blank***
Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97060210

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	93
Toluene-d8	102
4-Bromofluorobenzene	95

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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: 97060209
Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Received: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97060209

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	102
4-Bromofluorobenzene	96

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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

Sampled: 06/05/97
Recevied: 06/06/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060209
Laboratory Reference #: MWI 9166

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/05/97
Recevied: 06/06/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060210
Laboratory Reference #: MWI 9166

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/11/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97060209	Equip Blank	N.D.
97060210	Rinsate Blank	N.D.

Detection Limit:	0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Volatile Fuel Hydrocarbons (ug/l) (ppb)
97060209	Equip Blank	N.D.
97060210	Rinsate Blank	N.D.

Detection Limit:	50

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, RR-GS-35-4'

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/17/97

Laboratory Sample Number: 97060201
Laboratory Reference #: MWI 9166

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/09/97
Reported: 06/17/97

***Laboratory Reference #*:** MWI 9166

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	***Client Sample Number***	***Extractable Hydrocarbons mg/l (ppm)***
97060209	Equip Blank	N.D.
97060210	Rinsate Blank	N.D.

Detection Limit:	0.5

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

ORANGE COAST ANALYTICAL

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: Soil

Laboratory Reference #: MWI 9166

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/06/97
Reported: 06/06/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	***Client Sample Number***	***Extractable Hydrocarbons mg/kg (ppm)***
97060199	RR-GS-33-4'	N.D.
97060200	RR-GS-34-4'	54
97060201	RR-GS-35-4'	48
97060202	RR-GS-36-4'	28
97060203	RR-GS-37-4'	N.D.

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, RR-GS-35-4'

Sampled: 06/05/97
Recevied: 06/05/97
Analyzed: 06/09/97
Reported: 06/17/97

Laboratory Sample Number: 97060201
Laboratory Reference #: MWI 9166

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	25
Cobalt	6010	80	8000	0.5	5.1
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	8.0
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	34

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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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.71	0.71	71	71	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

MARK NOORANI
Laboratory Director

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page _____ of _____

REQUIRED TAT: 24 hr TAT on TRPH only; Standard TAT otherwise

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA
PHONE: 818-568-6582 FAX: 818-796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 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
OA1-RE3-SP5	2	7/21/97	1538	SOIL	2"x6" SS Sleeve	ICE	X	X	X	X					
OA1-RE3-SP6	2		1546				X	X	X	X					
OA1-RE3-SP7	2		1605				X	X	X	X					
OA1-RE3-SP8	2		1615				X	X	X	X					
OA1-RE3-SP9	2		1620				X	X	X	X					
OA1-RE3-SP10	2		1627				X	X	X	X					
Equipment Blank	7		1650	WATER	4 amber 1 poly 2 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1710				X	X	X	X	X	X			
Trip Blank	2		—		2 VOAs	HCl			X						

Total No. of Samples: 9

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/21/97 1730		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/21/97 17:30

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 c[illegible] disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0146941

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 : 07/23/97
Laboratory Sample No : 97070300
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.70	83	90	8
Arsenic	0.00	1.00	1.02	1.04	102	104	2
Barium	0.000	0.100	0.081	0.089	81	89	9
Beryllium	0.00	0.100	0.099	0.099	99	99	0
Cadmium	0.00	0.100	0.104	0.099	104	99	5
Chromium (VI)	0.00	0.50	0.45	0.40	90	80	12
Chromium (Total)	0.00	0.100	0.091	0.094	91	94	3
Cobalt	0.00	0.100	0.116	0.120	116	120	3
Copper	0.000	0.100	0.097	0.099	97	99	2
Lead	0.00	1.00	1.00	0.92	100	92	8
Mercury	0.000	0.020	0.021	0.023	105	115	9
Molybdenum	0.00	1.00	0.82	0.89	82	89	8
Nickel	0.00	0.50	0.48	0.54	96	108	12
Selenium	0.00	1.00	1.08	0.94	108	94	14
Silver	0.00	0.50	0.47	0.47	94	94	0
Thallium	0.00	3.00	2.70	2.90	90	97	7
Vanadium	0.00	0.50	0.50	0.50	100	100	0
Zinc	0.000	0.100	0.084	0.090	84	90	7

Definition of Terms :

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

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Laboratory Director

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	22	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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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	37	37	74	74	0
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	45	46	90	92	2
ntachlorophenol	0.0	100	78	78	78	78	0
4-Chloro-3-Methylphenol	0.0	100	67	68	67	68	1
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	23	24	23	24	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	0.0	10.0	9.2	8.0	92	80	14
Barium	6.7	10.0	17.0	17.0	103	103	0
Beryllium	0.00	1.00	0.95	0.96	95	96	1
Cadmium	0.00	1.00	0.99	0.99	99	99	0
Chromium (Total)	1.30	5.00	6.50	6.30	104	100	3
Chromium (VI)	0.00	1.00	0.88	0.84	88	84	5
Cobalt	0.33	1.00	1.20	1.20	87	87	0
Copper	5.10	5.00	11.00	10.60	118	110	4
Lead	2.20	10.0	11.2	11.9	90	97	6
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	9.9	9.7	99	97	2
Nickel	0.40	5.00	5.0	4.8	93	88	4
Selenium	0.0	10.0	9.6	8.9	96	89	8
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	1.8	5.0	6.7	6.5	98	94	3
Zinc	9.9	10.0	18.7	19.3	88	94	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 : 07/23/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	46	86	92	7
n-Nitroso-di-n-propylamine	0.0	50	45	45	90	90	0
1,2,4-Trichlorobenzene	0.0	50	44	46	88	92	4
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	44	46	88	92	4
ntachlorophenol	0.0	100	80	81	80	81	1
4-Chloro-3-Methylphenol	0.0	100	73	72	73	72	1
2-Chlorophenol	0.0	100	74	76	74	76	3
Phenol	0.0	100	72	74	72	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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QC DATA REPORT

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

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
entachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	1

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : 97070366
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	45	45	90	90	0
n-Nitroso-di-n-propylamine	0.0	50	39	38	78	76	3
1,2,4-Trichlorobenzene	0.0	50	46	45	92	90	2
Acenaphthene	0.0	50	47	48	94	96	2
Pyrene	9.8	50	69	65	118	110	6
Pentachlorophenol	0.0	100	61	56	61.	56	9
4-Chloro-3-Methylphenol	0.0	100	69	64	69	64	8
2-Chlorophenol	0.0	100	78	77	78	77	1
Phenol	0.0	100	68	65	68	65	5

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/22/97
Laboratory Sample No : 97070317
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	52	104	104	0
1,1-Dichloroethene	0.0	50	51	50	102	100	2
Trichloroethene	0.0	50	47	46	94	92	2
Toluene	0.0	50	50	50	100	100	0
Chlorobenzene	0.0	50	48	47	96	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

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QC DATA REPORT

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

Date of Analysis : 07/23/97
Laboratory Sample No : 97070301
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.3	88	92	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No :97070222
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	101	101	101	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 : STLC (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070265
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	2.3	2.0	4.4	4.2	105	95	5
Lead	6.0	10.0	15.0	15.4	90	94	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 : TCLP (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070221
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	0.13	1.00	1.08	1.18	95	105	9
Lead	0.0	10	9.0	10	90	100	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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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

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
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

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

PCB'S (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

PCB'S (EPA 8080)

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

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

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	660
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	2,200
Benzo (b) fluoranthene	205-99-2	250	2,700
Benzo (k) fluoranthene	207-08-9	250	830
Benzo (g,h,i)perylene	191-24-2	250	780
Benzo (a) pyrene	50-32-8	250	1,300
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	110
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	3,200
Dibenz(a,h)anthracene	53-70-3	100	220
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample #: 97070317

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	8,400
Fluorene	86-73-7	100	330
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	630
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	4,300
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	7,500
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070324

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070323

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97070325
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070325

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	96
Toluene-d8	98
4-Bromofluorobenzene	94

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070324

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	98
4-Bromofluorobenzene	94

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: Water, Equip Blank
Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070323

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	91
Toluene-d8	99
4-Bromofluorobenzene	94

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

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 08/04/97
Reported: 08/04/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070318	OA1-RE3-SP6	0.54
97070320	OA1-RE3-SP8	0.78
97070321	OA1-RE3-SP9	0.83
97070322	OA1-RE3-SP10	2.6
Detection Limit:		0.1

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	***Client Sample Number***	***Extractable Hydrocarbons mg/l (ppm)***
97070323	Equip Blank	N.D.
97070324	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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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE3-SP10
Laboratory Sample #: 97070322

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	230
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.
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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,
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 08/04/97
Reported: 08/04/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070318	OA1-RE3-SP6	N.D.
97070320	OA1-RE3-SP8	N.D.
97070321	OA1-RE3-SP9	N.D.
97070322	OA1-RE3-SP10	N.D.
Detection Limit:		0.1

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

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

Sample Description: Soil, OA1-RE3-SP9
Laboratory Sample #: 97070321

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	130
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP10
Laboratory Sample Number: 97070322
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	300
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	270
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE3-SP8
Laboratory Sample #: 97070320

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP9
Laboratory Sample Number: 97070321
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	110
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	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.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE3-SP7
Laboratory Sample #: 97070319

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	330
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	360
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP8
Laboratory Sample Number: 97070320
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Soil, OA1-RE3-SP6
Laboratory Sample #: 97070318

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	130
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	110
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	170
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP7
Laboratory Sample Number: 97070319
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	120
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	220
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE3-SP10
Laboratory Sample #: 97070322

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	96
4-Bromofluorobenzene	88

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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, OA1-RE3-SP6
Laboratory Sample Number: 97070318
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	210
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

Sample Description: Soil, OA1-RE3-SP9
Laboratory Sample #: 97070321

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	90
Toluene-d8	97
4-Bromofluorobenzene	91

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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, OA1-RE3-SP10
Laboratory Sample Number: 97070322
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE3-SP8
Laboratory Sample #: 97070320

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	4.3
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	12
sec-Butylbenzene	135-98-8	2.5	2.9
4-Isopropyltoluene	99-87-6	2.5	3.1
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	15
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	92
Toluene-d8	98
4-Bromofluorobenzene	88

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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, OA1-RE3-SP9
Laboratory Sample Number: 97070321
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	2.5	5.5
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	5.0	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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

Sample Description: Soil, OA1-RE3-SP7
Laboratory Sample #: 97070319

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	3.4
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	91
Toluene-d8	100
4-Bromofluorobenzene	92

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, OA1-RE3-SP8
Laboratory Sample Number: 97070320
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/kg)***	***SAMPLE RESULTS (ug/kg)***
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	9.4
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	6.1
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE3-SP6
Laboratory Sample #: 97070318

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	92
Toluene-d8	96
4-Bromofluorobenzene	91

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, OA1-RE3-SP7
Laboratory Sample Number: 97070319
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample #: 97070317

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	92
Toluene-d8	97
4-Bromofluorobenzene	93

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, OA1-RE3-SP6
Laboratory Sample Number: 97070318
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	4.1
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP10

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070322
Laboratory Reference #: MWI 9364

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	63
Cobalt	6010	80	8000	0.5	7.6
Copper	6010	25	2500	0.1	17
Lead	6010	5.0	1000	1.0	2.5
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	30
Zinc	6010	250	5000	0.1	62

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP8

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070320
Laboratory Reference #: MWI 9364

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	80
Cobalt	6010	80	8000	0.5	6.5
Copper	6010	25	2500	0.1	28
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	30
Zinc	6010	250	5000	0.1	85

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP9

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070321
Laboratory Reference #: MWI 9364

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	71
Cobalt	6010	80	8000	0.5	7.4
Copper	6010	25	2500	0.1	25
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	80

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: Soil, OA1-RE3-SP6

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070318
Laboratory Reference #: MWI 9364

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	72
Cobalt	6010	80	8000	0.5	7.3
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	32
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.
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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, OA1-RE3-SP7

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070319
Laboratory Reference #: MWI 9364

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	36
Cobalt	6010	80	8000	0.5	7.4
Copper	6010	25	2500	0.1	15
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	12
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	32
Zinc	6010	250	5000	0.1	53

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/22/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070317	OA1-RE3-SP5	47
97070318	OA1-RE3-SP6	36
97070319	OA1-RE3-SP7	32
97070320	OA1-RE3-SP8	63
97070321	OA1-RE3-SP9	43
97070322	OA1-RE3-SP10	79

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP5

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

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	43
Cobalt	6010	80	8000	0.5	7.7
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	5.0
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	28
Zinc	6010	250	5000	0.1	79

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-GS-137A-6'

Laboratory Sample Number: 97050044
Laboratory Reference #: MWI 9016

Sampled: 05-05-97
Received: 05-05-97
Analyzed: 05-06-97
Reported: 05-07-97

PCB'S (EPA 8080)

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

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

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9016

Sampled : 05-05-97
Received: 05-05-97
Analyzed: 05-09-97
Reported: 05-15-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97050046	Equip Blank	N.D.
97050047	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, Rinsate Blank

Laboratory Sample Number: 97050047
Laboratory Reference #: MWI 9016

Sampled: 05-05-97
Received: 05-05-97
Analyzed: 05-14-97
Reported: 05-15-97

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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Sample Description: Water, Equip Blank

Laboratory Sample Number: 97050046

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	*99*
4-Bromofluorobenzene	*103*

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Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97050047

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	*108*
Toluene-d8	*103*
4-Bromofluorobenzene	*104*

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Sample Description: Water, Trip Blank

Laboratory Sample Number: 97050048

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

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Surrogate Recoveries	*%*
Dibromofluoromethane	*108*
Toluene-d8	*101*
4-Bromofluorobenzene	*103*

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97050046

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.
Methylnaphthalene	91-57-6	5.0	N.D.
Methylphenol	95-48-7	5.0	N.D.
ethylphenol	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: 97050046
Laboratory Reference #: MWI 9016

Sampled: 05-05-97
Received: 05-05-97
Analyzed: 05-12-97
Reported: 05-15-97

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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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: 97050046
Laboratory Reference #: MWI 9016

Sampled: 05-05-97
Received: 05-05-97
Analyzed: 05-12-97
Reported: 05-15-97

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.

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 05/14/97
Laboratory Sample No : 97050046
Laboratory Reference No : MWI 9016

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.90	3.10	97	103	7
Arsenic	0.00	1.00	0.90	0.98	90	98	9
Barium	0.00	0.100	0.093	0.101	93	101	8
Beryllium	0.00	0.100	0.098	0.094	98	94	4
Cadmium	0.00	0.100	0.112	0.117	112	117	4
Chromium (VI)	0.00	0.50	0.47	0.50	94	100	6
Chromium (Total)	0.00	0.100	0.110	0.114	110	114	4
Cobalt	0.00	0.100	0.109	0.117	109	117	7
Copper	0.00	0.100	0.115	0.106	115	106	8
;ad	0.00	1.00	1.07	1.14	107	114	6
Mercury	0.000	0.020	0.018	0.017	90	85	6
Molybdenum	0.00	1.00	1.05	0.92	105	92	13
Nickel	0.00	0.50	0.55	0.53	110	106	4
Selenium	0.00	1.00	0.93	0.94	93	94	1
Silver	0.00	1.00	0.92	0.91	92	91	1
Thallium	0.00	3.00	2.90	3.10	97	103	7
Vanadium	0.00	0.50	0.52	0.53	104	106	2
Zinc	0.00	0.100	0.120	0.116	120	116	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

RANGE COAST ANALYTICAL

Mark Noorani

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 05/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9016

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	11	10	55	50	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
S	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 : 05/06/97
Laboratory Sample No : 97041225
Laboratory Reference No : MWI 9016

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	210	230	84	92	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

RANGE 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

QC DATA REPORT

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

Date of Analysis : 05/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9016

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	39	41	78	82	5
n-Nitroso-di-n-propylamine	0.0	50	41	44	82	88	7
1,2,4-Trichlorobenzene	0.0	50	45	44	90	88	2
Acenaphthene	0.0	50	47	49	94	98	4
Pyrene	0.0	50	42	42	84	84	0
Pentachlorophenol	0.0	100	70	80	70	80	13
4-Chloro-3-Methylphenol	0.0	100	79	71	79	71	11
2-Chlorophenol	0.0	100	83	87	83	87	5
Phenol	0.0	100	30	29	30	29	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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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 8938

Sampled : 04-21-97
Received: 04-21-97
Analyzed: 04-22-97
Reported: 04-22-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97041009	B37-GS-142-6'	N.D.
97041010	B37-GS-143-6'	N.D.
97041011	B37-GS-144-6'	N.D.
97041012	B37-GS-145-6'	12
97041013	B37-GS-146-6'	N.D.
97041014	B37-GS-147-4'	N.D.
97041015	B37-GS-148-6'	N.D.
97041016	B37-GS-149-5.5'	N.D.
97041017	B37-GS-150-5.5'	N.D.
97041018	B37-GS-151-5.5'	N.D.
97041019	B37-GS-152-5.5'	N.D.
97041020	B37-GS-153-5.5'	N.D.
Detection Limit:		8.0

Analyte reported as N.D. was 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-GS-143-6'

Laboratory Sample Number: 97041010
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	9.4	<---
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	6.9	<---
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	28	<---
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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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-GS-145-6'

Laboratory Sample Number: 97041012
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	28	<---
Cobalt	6010	80	8000	0.5	6.1	<---
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	8.2	<---
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	51	<---

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-GS-147-4'

Laboratory Sample Number: 97041014
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	21	<---
Cobalt	6010	80	8000	0.5	8.7	<---
Copper	6010	25	2500	0.1	9.5	<---
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	7.0	<---
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	41	<---

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-GS-149-5.5'

Laboratory Sample Number: 97041016
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	25	<---
obalt	6010	80	8000	0.5	7.1	<---
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	8.5	<---
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	23	<---
Zinc	6010	250	5000	0.1	47	<---

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-GS-151-5.5'

Laboratory Sample Number: 97041018
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	24	<---
Cobalt	6010	80	8000	0.5	6.7	<---
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	8.1	<---
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	52	<---

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

ORANGE COAST ANALYTICAL

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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-GS-153-5.5'

Laboratory Sample Number: 97041020
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 05-05-97
Reported: 05-05-97

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	16	<---
obalt	6010	80	8000	0.5	3.0	<---
Copper	6010	25	2500	0.1	6.0	<---
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	3.4	<---
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	18	<---

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

ORANGE COAST ANALYTICAL

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ample Description: Soil, B37-GS-143-6'

Laboratory Sample Number: 97041010

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.
-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
,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.

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Surrogate Recoveries	*%*
Dibromofluoromethane	*108*
Toluene-d8	*101*
4-Bromofluorobenbzene	*108*

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ample Description: Soil, B37-GS-145-6'

Laboratory Sample Number: 97041012

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.
-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
aboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*114*
Toluene-d8	*98*
4-Bromofluorobenbzene	*110*

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ample Description: Soil, B37-GS-147-4'

Laboratory Sample Number: 97041014

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.
2-Dibromo-2-CPA	96-12-8	5.0	N.D.
,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

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Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*114*
Toluene-d8	*99*
4-Bromofluorobenbzene	*107*

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

ample Description: Soil, B37-GS-149-5.5'

Laboratory Sample Number: 97041016

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.
·2-Dibromo-2-CPA	96-12-8	5.0	N.D.
,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	*108*
Toluene-d8	*101*
4-Bromofluorobenbzene	*109*

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

Sample Description: Soil, B37-GS-151-5.5'

Laboratory Sample Number: 97041018

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	*118*
Toluene-d8	*97*
4-Bromofluorobenbzene	*110*

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ample Description: Soil, B37-GS-153-5.5'

Laboratory Sample Number: 97041020

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.
-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
,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
aboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*111*
Toluene-d8	*96*
4-Bromofluorobenbzene	*110*

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

Sample Description: Soil, B37-GS-143-6'
Laboratory Sample #: 97041010

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.
thalene	91-20-3	100	N.D.
2 ..itroaniline	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

Noorani
Laboratory Director

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

Sample Description: Soil, B37-GS-145-6'
Laboratory Sample #: 97041012

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.
hthalene	91-20-3	100	N.D.
-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

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

Sample Description: Soil, B37-GS-147-4'
Laboratory Sample #: 97041014

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.
ethylphenol	106-44-5	100	N.D.
hthalene	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

k Noorani
oratory Director

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

Sample Description: Soil, B37-GS-149-5.5'
Laboratory Sample #: 97041016

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.
thalene	91-20-3	100	N.D.
troaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Sample Description: Soil, B37-GS-151-5.5'
Laboratory Sample #: 97041018

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.
ethylphenol	106-44-5	100	N.D.
nthalene	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

Noorani
Laboratory Director

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

Sample Description: Soil, B37-GS-153-5.5'
Laboratory Sample #: 97041020

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

Noorani
Laboratory Director

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fontgomery 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: 97041021
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 04-22-97
Reported: 05-05-97

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
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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: 97041021
Laboratory Reference #: MWI 8938

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

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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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: 97041022
Laboratory Reference #: MWI 8938

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

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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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: 97041023
Laboratory Reference #: MWI 8938

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

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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tgomery Watson
N: 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 #: 97041021
Laboratory Reference #: MWI 8938

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

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.
ızo(g,h,i)perylene	191-24-2	25	N.D.
·zo(a)pyrene	50-32-8	25	N.D.
zyl 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.

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tgomery 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 #: 97041022
Laboratory Reference #: MWI 8938

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

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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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: 97041021
Laboratory Reference #: MWI 8938

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

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

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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-RE3-SPCONFA

Laboratory Sample Number: 97041007
Laboratory Reference #: MWI 8938

Sampled: 04-21-97
Received: 04-21-97
Analyzed: 04-22-97
Reported: 04-22-97

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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: 97041021
Laboratory Reference #: MWI 8938

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

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

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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 8938

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

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 : 05/05/97
Laboratory Sample No : 97041020
Laboratory Reference No : MWI 8938

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	8.20	10.00	16.00	17.00	78	88	6
Beryllium	0.00	1.00	0.98	0.96	98	96	2
Cadmium	0.00	1.00	0.95	0.94	95	94	1
Chromium (Total)	1.60	5.00	5.70	5.90	82	86	3
Chromium (VI)	0.00	1.00	0.97	0.87	97	87	11
Cobalt	0.30	1.00	1.25	1.28	95	98	2
Copper	0.60	1.00	1.59	1.61	99	101	1
Lead	0.00	10.00	8.60	9.20	86	92	7
Mercury	0.000	0.020	0.020	0.022	100	110	10
Molybdenum	0.00	10.00	8.40	8.20	84	82	2
Nickel	0.34	5.00	4.90	5.00	91	93	2
Selenium	0.00	10.00	8.00	8.00	80	80	0
Silver	0.00	5.00	4.20	4.00	84	80	5
Thallium	0.00	30.00	24.00	23.00	80	77	4
Vanadium	1.90	5.00	6.50	6.60	92	94	2
Zinc	1.50	5.00	6.30	6.10	96	92	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 04/25/97
Laboratory Sample No : 97040920
Laboratory Reference No : MWI 8938

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	43	48	86	96	11
1,1-Dichloroethene	0.0	50	42	44	84	88	5
Trichloroethene	0.0	50	51	56	102	112	9
Toluene	0.0	50	45	49	90	98	9
Chlorobenzene	0.0	50	46	46	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

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 04/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8938

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	1.10	1.00	110	100	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

FAX

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6508
Fax: 818 796 5941

Date: 4/22/97

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-143-6'
B37-GS-145-6'
B37-GS-147-4'
B37-GS-149-5.5'
B37-GS-151-5.5'
B37-GS-153-5.5'

Also please change the sample names on the following two samples from yesterday (4/21):

B37-RE3-SPCONF changes to B37-RE3-SPCONFA
B37-RE4-SPCONF changes to B37-RE4-SPCONFA

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.

#10

4/23/97

ORANGE COAST ANALYTICAL, INC.
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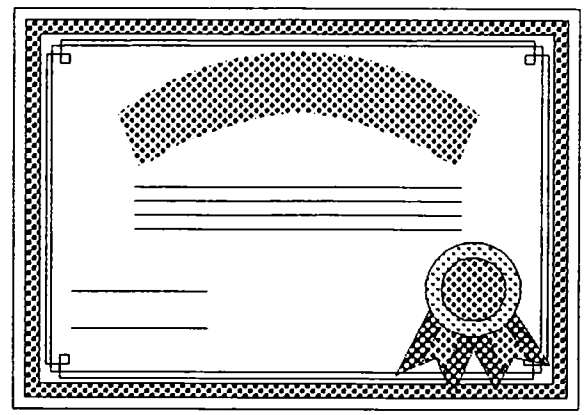

ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

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.

#51

4/23/97

ORANGE COAST ANALYTICAL, INC.
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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, 5-29-4
Laboratory Sample #: 97040451
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-18-97
Reported: 04-22-97

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	*81*

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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-14-97
Reported: 04-22-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040447	5-32-10	N.D.
97040457	5-26-4	N.D.
Detection Limit:		8.0

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

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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, 5-32-1

Laboratory Sample Number: 97040445
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-11-97
Reported: 04-22-97

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	46	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	5.0	<---
Cobalt	6010	80	8000	0.5	2.2	<---
Copper	6010	25	2500	0.1	0.9	<---
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	3.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	9.3	<---
Zinc	6010	250	5000	0.1	10	<---

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

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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, 5-32-4

Laboratory Sample Number: 97040446
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	150	<---
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	38	<---
Cobalt	6010	80	8000	0.5	9.1	<---
Copper	6010	25	2500	0.1	22	<---
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	43	<---
Zinc	6010	250	5000	0.1	65	<---

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

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-32-10

Laboratory Sample Number: 97040447
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	30	<---
Cobalt	6010	80	8000	0.5	8.4	<---
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	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	34	<---
Zinc	6010	250	5000	0.1	47	<---

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

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ATTN: Mr. Rus Purcell
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-31-4

Laboratory Sample Number: 97040448
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	97	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	5.4	<---
Copper	6010	25	2500	0.1	9.2	<---
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	25	<---
Zinc	6010	250	5000	0.1	3.9	<---

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

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Kennedy Jenks Consultants
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2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-31-10

Laboratory Sample Number: 97040449
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	67	<---
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	15	<---
Cobalt	6010	80	8000	0.5	4.5	<---
Copper	6010	25	2500	0.1	4.4	<---
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	8.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	23	<---
Zinc	6010	250	5000	0.1	25	<---

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

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-1

Laboratory Sample Number: 97040450
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	7.9	<---
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	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	35	<---
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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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, 5-29-4

Laboratory Sample Number: 97040451
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	28	<---
Cobalt	6010	80	8000	0.5	7.2	<---
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	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	47	<---

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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Kennedy Jenks Consultants
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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-29-10

Laboratory Sample Number: 97040452
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	150	<---
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	8.6	<---
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	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	38	<---
Zinc	6010	250	5000	0.1	57	<---

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

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-1

Laboratory Sample Number: 97040453
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	33	<---
Cobalt	6010	80	8000	0.5	8.0	<---
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	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	40	<---
Zinc	6010	250	5000	0.1	60	<---

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

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-4

Laboratory Sample Number: 97040454
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	33	<---
Cobalt	6010	80	8000	0.5	7.6	<---
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	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	39	<---
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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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-28-10

Laboratory Sample Number: 97040455
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	30	<---
Cobalt	6010	80	8000	0.5	8.2	<---
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	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	52	<---

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

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-1

Laboratory Sample Number: 97040456
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	32	<---
Cobalt	6010	80	8000	0.5	9.0	<---
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	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	38	<---
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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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-4

Laboratory Sample Number: 97040457
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	35	<---
Cobalt	6010	80	8000	0.5	9.1	<---
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	18	<---
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	40	<---
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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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 5-26-10

Laboratory Sample Number: 97040458
Laboratory Reference #: KJC 8885

Sampled: 04-08-97
Received: 04-09-97
Analyzed: 04-12-97
Reported: 04-22-97

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	34	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium Total	6010	560	2500	0.05	7.0	<---
Cobalt	6010	80	8000	0.5	2.1	<---
Copper	6010	25	2500	0.1	6.1	<---
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	5.8	<---
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	8.6	<---
Zinc	6010	250	5000	0.1	12	<---

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

ORANGE COAST ANALYTICAL

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

Sample Description: Water, TB-100
Laboratory Sample #: 97040459
Laboratory Reference #: KJC 8885

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

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, TB-102
Laboratory Sample #: 97040460
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

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.

ORANGE COAST ANALYTICAL

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

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Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Water, EB-1
Laboratory Sample #: 97040461
Laboratory Reference #: KJC 8885

Sampled : 04-08-97
Received: 04-09-97
Analyzed: 04-17-97
Reported: 04-22-97

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.

ORANGE COAST ANALYTICAL

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Surrogate Recovery	*%*
1,4-Dichlorobutane	*82*

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/12/97
Laboratory Sample No : 97040457
Laboratory Reference No : KJC 8885

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	30.00	27.00	30.00	90	100	11
Arsenic	0.00	10.00	8.70	9.60	87	96	10
Barium	11.00	10.00	20.60	20.80	96	98	1
Beryllium	0.00	1.00	1.05	0.96	105	96	9
Cadmium	0.00	1.00	0.89	0.93	89	93	4
Chromium (Total)	3.50	5.00	8.20	8.40	94	98	2
Chromium (VI)	0.00	1.00	0.92	0.97	92	97	5
Cobalt	0.91	1.00	1.73	1.75	82	84	1
Copper	2.00	1.00	2.80	2.90	80	90	4
Lead	0.00	10.00	9.20	9.10	92	91	1
Mercury	0.000	0.020	0.021	0.019	105	95	10
Molybdenum	0.00	10.00	10.10	10.50	101	105	4
Nickel	1.10	5.00	6.20	6.40	102	106	3
Selenium	0.00	10.00	10.10	10.00	101	100	1
Silver	0.00	5.00	4.80	4.90	96	98	2
Thallium	0.00	30.00	28.00	27.00	93	90	4
Vanadium	4.00	5.00	8.80	9.20	96	104	4
Zinc	5.80	5.00	10.50	11.00	94	104	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.
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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 : 04/17/97
Laboratory Sample No : 97030461
Laboratory Reference No : KJC 8885

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
1,1-Dichloroethane	0.0	5.0	4.8	4.8	96	96	0
Trichloroethene	0.0	5.0	4.7	4.7	94	94	0
Tetrachloroethene	0.0	5.0	5.1	5.1	102	102	0

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/14/97
Laboratory Sample No : 97040511
Laboratory Reference No : KJC 8885

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	106	106	106	106	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 Organic Compounds (EPA 8010/8020)

Date of Analysis : 04/18/97
Laboratory Sample No : 97040523
Laboratory Reference No : KJC 8885

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	40	39	38	98	95	3
1,1-Dichloroethane	0.0	20	20	19	100	95	5
Trichloroethene	0.0	20	20	18	100	90	11
Tetrachloroethene	0.0	20	20	19	100	95	5
Toluene	0.0	40	40	39	100	98	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

Analysis Request and of Custody Record

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

Lab Job No: ____
Page 2 of 2

REQUIRED TAT: ____

CUSTOMER INFORMATION

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

PROJECT INFORMATION

PROJECT NAME: DAC
NUMBER: 974002.00
LOCATION: Basement - Bldg 1
ADDRESS:
SAMPLED BY: DMS

ANALYSIS/METHOD REQUEST: Metals, Cr+6, 8010

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Metals	Cr+6	8010						REMARKS/PRECAUTIONS
5-26-1	1	4/8/97	2110	Soil	Stainless Steel		X	X							
5-26-4	1	"	2115	"	"		X	X							
5-26-10	1	"	2125	"	"		X	X							
TB-100	1	4/8/97	—	Water	VOA				X						
TB-102	1	4/8/97	—	Water	VOA				X						
EB-1	2	4/8/97	2230	Water	VOA				X						

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dale M. Sj	4/8/97 2230		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	4/9/97 16:15

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

Sample Integrity: (check)
intact ____ on ice ____

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

Analysis Request and of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Phoenix, AZ 85040
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Lab Job No: ____
Page 1 of 2

REQUIRED TAT: ____

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

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	[redacted]	Metals	Cr+6					REMARKS/PRECAUTIONS
5-32-1	1	4/8/97	1740	Soil	Stainless steel			X	X					
5-32-4	1	"	1745	"	"			X	X					
5-32-10	1	"	1755	"	"			X	X					
~~5-31-1~~	~~1~~	~~"~~	~~NR~~	~~"~~	~~"~~			~~X~~	~~X~~					NO SAMPLE RECOVERY
5-31-4	1	"	1830	"	"			X	X					
5-31-10	1	"	1900	"	"			X	X					
5-29-1	1	"	1935	"	"			X	X					
5-29-4	1	"	1950	"	"			X	X					
5-29-10	1	"	1955	"	"			X	X					
5-28-1	1	"	2030	"	"			X	X					
5-28-4	1	"	2035	"	"			X	X					
5-28-10	1	"	2045	"	"			X	X					

Total No. of Samples:

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	4/8/97 2230		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 4/9/97 16:15

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

Sample Integrity: (check)
intact ____ on ice ____

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

BOE-C6-0147076

ORANGE COAST ANALYTICAL, INC.
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(714) 832-0064, Fax (714) 832-0067

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

Lab Job No: ____
Page 1 [illegible] 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: 714-261-2134	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~~ JK 5-32-10	1			Soil	poly sleeve		X			(10% QA/QC for ND Samples are in Lab)
~~2BB~~ JK 5-26-4							X			
2BB-1-34-10							X			
~~2BB~~ JK 5-29-4								X		
2BB-1-10-4								X		
2BB-1-7-10								X		
2BB-1-13-1									X	(8010/8020 > 200 total VOC)
2BB-1-12-1									X	
2BB-1-37-1									X	

Total No. of Samples:		Method of Shipment:	
Relinquished By: [signature]	Date/Time: 4-10-97 1625	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 4/10/97 16:34

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-C6-0147077

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/21/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070293	OA1-RE2-SP9	1,300
97070294	OA1-RE2-SP10	420
97070296	OA1-RE3-SP2	1,500
97070297	OA1-RE3-SP3	1,700

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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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, OA1-RE2-SP9

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

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	37
Cobalt	6010	80	8000	0.5	7.6
Copper	6010	25	2500	0.1	16
Lead	6010	5.0	1000	1.0	34
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	35
Zinc	6010	250	5000	0.1	35

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP10

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

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	7.1
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	32
Zinc	6010	250	5000	0.1	40

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, OA1-RE3-SP2

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

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	7.8
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	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	34
Zinc	6010	250	5000	0.1	40

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

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE3-SP3

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

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	25
Cobalt	6010	80	8000	0.5	7.3
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	34
Zinc	6010	250	5000	0.1	40

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP9
Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE2-SP9
Laboratory Sample #: 97070293

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.	
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	3.9	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	23	<---
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	96
Toluene-d8	95
4-Bromofluorobenzene	99

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	5.2	<---
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample #: 97070294

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	8.5	<---
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	29	<---
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	N.D.	
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	110	<---
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	98
4-Bromofluorobenzene	93

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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, OA1-RE3-SP2
Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/24/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	200	N.D.	
Bromodichloromethane	75-27-4	200	N.D.	
Bromoform	75-25-2	200	N.D.	
Bromomethane	74-83-9	200	N.D.	
Carbon Disulfide	75-15-0	400	N.D.	
Carbon tetrachloride	56-23-5	200	N.D.	
Chlorobenzene	108-90-7	200	N.D.	
Chlorodibromomethane	124-48-1	200	N.D.	
Chloroethane	75-00-3	200	N.D.	
2-Chloroethyl vinyl ether	110-75-8	400	N.D.	
Chloroform	67-66-3	200	N.D.	
Chloromethane	74-87-3	200	N.D.	
1,1-Dichloroethane	75-34-3	200	N.D.	
1,2-Dichloroethane	107-06-2	200	N.D.	
1,1-Dichloroethene	75-35-4	200	N.D.	
Trans 1,2-Dichloroethene	156-60-5	200	N.D.	
1,2-Dichloropropane	78-87-5	200	N.D.	
cis-1,3-Dichloropropene	10061-01-5	200	N.D.	
trans-1,3-Dichloropropene	10061-02-6	200	N.D.	
Ethylbenzene	100-41-4	200	300	<—
Methylene chloride	75-09-2	400	N.D.	
Styrene	100-42-5	200	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	200	N.D.	
Tetrachloroethene	127-18-4	200	N.D.	
Toluene	108-88-3	200	N.D.	
1,1,1-Trichloroethane	71-55-6	200	N.D.	
1,1,2-Trichloroethane	79-00-5	200	N.D.	
Trichloroethene	79-01-6	200	N.D.	
Trichlorofluoromethane	75-69-4	400	N.D.	
Vinyl acetate	108-05-4	400	N.D.	
Vinyl chloride	75-01-4	200	N.D.	
Total Xylenes	1330-20-7	200	N.D.	
Dichlorodifluoromethane	75-71-8	200	N.D.	
cis-1-2,-Dichloroethene	156-59-2	200	N.D.	
2,2-Dichloropropane	594-20-7	200	N.D.	
Bromochloromethane	74-97-5	200	N.D.	
1,1-Dichloropropene	563-58-6	200	N.D.	
Dibromomethane	74-95-3	200	N.D.	
1,2-Dibromoethane	106-93-4	200	N.D.	

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

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample #: 97070296

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	200	N.D.	
Isopropylbenzene	98-82-8	200	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	200	N.D.	
1,2,3-Trichloropropane	96-18-4	200	N.D.	
Bromobenzene	108-86-1	200	N.D.	
n-Propylbenzene	103-65-1	200	310	<---
2-Chlorotoluene	95-49-8	200	N.D.	
1,3,5-Trimethylbenzene	108-67-8	200	1,500	<---
4-Chlorotoluene	106-43-4	200	N.D.	
tert-Butylbenzene	98-06-6	200	N.D.	
1,2,4-Trimethylbenzene	95-63-6	200	2,500	<---
sec-Butylbenzene	135-98-8	200	N.D.	
4-Isopropyltoluene	99-87-6	200	N.D.	
1,3-Dichlorobenzene	541-73-1	200	N.D.	
1,4-Dichlorobenzene	106-46-7	200	N.D.	
n-Butylbenzene	104-51-8	200	420	<---
1,2-Dichlorobenzene	95-50-1	200	N.D.	
1,2-Dibromo-3-CPA	96-12-8	400	N.D.	
1,2,4-Trichlorobenzene	120-82-1	200	N.D.	
Hexachlorobutadiene	87-68-3	200	N.D.	
Naphthalene	91-20-3	200	20,000	<---
1,2,3-Trichlorobenzene	87-61-6	200	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	95
Toluene-d8	97
4-Bromofluorobenzene	95

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	100	N.D.	
Bromodichloromethane	75-27-4	100	N.D.	
Bromoform	75-25-2	100	N.D.	
Bromomethane	74-83-9	100	N.D.	
Carbon Disulfide	75-15-0	200	N.D.	
Carbon tetrachloride	56-23-5	100	N.D.	
Chlorobenzene	108-90-7	100	N.D.	
Chlorodibromomethane	124-48-1	100	N.D.	
Chloroethane	75-00-3	100	N.D.	
2-Chloroethyl vinyl ether	110-75-8	200	N.D.	
Chloroform	67-66-3	100	N.D.	
Chloromethane	74-87-3	100	N.D.	
1,1-Dichloroethane	75-34-3	100	N.D.	
1,2-Dichloroethane	107-06-2	100	N.D.	
1,1-Dichloroethene	75-35-4	100	N.D.	
Trans 1,2-Dichloroethene	156-60-5	100	N.D.	
1,2-Dichloropropane	78-87-5	100	N.D.	
cis-1,3-Dichloropropene	10061-01-5	100	N.D.	
trans-1,3-Dichloropropene	10061-02-6	100	N.D.	
Ethylbenzene	100-41-4	100	130	<—
Methylene chloride	75-09-2	200	N.D.	
Styrene	100-42-5	100	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.	
Tetrachloroethene	127-18-4	100	N.D.	
Toluene	108-88-3	100	N.D.	
1,1,1-Trichloroethane	71-55-6	100	N.D.	
1,1,2-Trichloroethane	79-00-5	100	N.D.	
Trichloroethene	79-01-6	100	N.D.	
Trichlorofluoromethane	75-69-4	200	N.D.	
Vinyl acetate	108-05-4	200	N.D.	
Vinyl chloride	75-01-4	100	N.D.	
Total Xylenes	1330-20-7	100	N.D.	
Dichlorodifluoromethane	75-71-8	100	N.D.	
cis-1-2,-Dichloroethene	156-59-2	100	N.D.	
2,2-Dichloropropane	594-20-7	100	N.D.	
Bromochloromethane	74-97-5	100	N.D.	
1,1-Dichloropropene	563-58-6	100	N.D.	
Dibromomethane	74-95-3	100	N.D.	
1,2-Dibromoethane	106-93-4	100	N.D.	

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

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample #: 97070297

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	100	N.D.	
Isopropylbenzene	98-82-8	100	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.	
1,2,3-Trichloropropane	96-18-4	100	N.D.	
Bromobenzene	108-86-1	100	N.D.	
n-Propylbenzene	103-65-1	100	N.D.	
2-Chlorotoluene	95-49-8	100	N.D.	
1,3,5-Trimethylbenzene	108-67-8	100	590	<---
4-Chlorotoluene	106-43-4	100	N.D.	
tert-Butylbenzene	98-06-6	100	N.D.	
1,2,4-Trimethylbenzene	95-63-6	100	1,000	<---
sec-Butylbenzene	135-98-8	100	N.D.	
4-Isopropyltoluene	99-87-6	100	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
n-Butylbenzene	104-51-8	100	260	<---
1,2-Dichlorobenzene	95-50-1	100	N.D.	
1,2-Dibromo-3-CPA	96-12-8	200	N.D.	
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Naphthalene	91-20-3	100	14,000	<---
1,2,3-Trichlorobenzene	87-61-6	100	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	96
4-Bromofluorobenzene	102

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, OA1-RE2-SP9
Laboratory Sample Number: 97070293
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	400	N.D.
Acenaphthylene	208-96-8	400	N.D.
Aniline	62-53-3	400	N.D.
Anthracene	120-12-7	400	3,000 <---
Benzoic Acid	65-85-0	2000	N.D.
Benzo (a) anthracene	56-55-3	400	20,000 <---
Benzo (b) fluoranthene	205-99-2	1000	39,000 <---
Benzo (k) fluoranthene	207-08-9	1000	11,000 <---
Benzo (g,h,i)perylene	191-24-2	1000	18,000 <---
Benzo (a) pyrene	50-32-8	1000	17,000 <---
Benzyl alcohol	100-51-6	400	N.D.
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.
Bis(2-chloroethyl)ether	111-44-4	400	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.
4-Bromophenyl phenyl ether	101-55-3	400	N.D.
Butyl benzyl phthalate	85-68-7	400	N.D.
4-Chloroaniline	106-47-8	400	N.D.
2-Chloronaphthalene	91-58-7	400	N.D.
4-Chloro-3-methylphenol	59-50-7	400	N.D.
2-Chlorophenol	95-57-8	400	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.
Chrysene	218-0109	400	46,000 <---
Dibenz(a,h)anthracene	53-70-3	400	4,700 <---
Dibenzofuran	132-64-9	400	N.D.
Di-N-butyl phthalate	84-74-2	1000	N.D.
1,3-Dichlorobenzene	541-73-1	400	N.D.
1,4-Dichlorobenzene	106-46-7	400	N.D.
1,2-Dichlorobenzene	95-50-1	400	N.D.
3,3-Dichlorobenzidine	91-94-1	400	N.D.
2,4-Dichlorophenol	120-83-2	400	N.D.
Diethyl phthalate	84-66-2	400	N.D.
2,4-Dimethylphenol	105-67-9	400	N.D.
Dimethyl phthalate	131-11-3	400	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.
2,4-Dinitrophenol	51-28-5	400	N.D.
2,4-Dinitrotoluene	121-14-2	1000	N.D.
2,6-Dinitrotoluene	606-20-2	1000	N.D.
Di-N-octyl phthalate	117-84-0	1000	N.D.

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

Sample Description: Soil, OA1-RE2-SP9
Laboratory Sample #: 97070293

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	400	46,000	<---
Fluorene	86-73-7	400	N.D.	
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	15,000	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	N.D.	
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	N.D.	
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	12,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	57,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample Number: 97070294
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	200	N.D.	
Acenaphthylene	208-96-8	200	N.D.	
Aniline	62-53-3	200	N.D.	
Anthracene	120-12-7	200	940	<---
Benzoic Acid	65-85-0	1000	N.D.	
Benzo (a) anthracene	56-55-3	200	5,500	<---
Benzo (b) fluoranthene	205-99-2	500	8,800	<---
Benzo (k) fluoranthene	207-08-9	500	2,000	<---
Benzo (g,h,i)perylene	191-24-2	500	4,000	<---
Benzo (a) pyrene	50-32-8	500	3,600	<---
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 ehter	7005-72-3	200	N.D.	
Chrysene	218-0109	200	13,000	<---
Dibenz(a,h)anthracene	53-70-3	200	1,100	<---
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.	
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.	

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

Sample Description: Soil, OA1-RE2-SP10
Laboratory Sample #: 97070294

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	200	13,000	<---
Fluorene	86-73-7	200	230	<---
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	3,400	<---
Isophorone	78-59-1	200	N.D.	
2-Methylnaphthalene	91-57-6	200	3,000	<---
2-Methylphenol	95-48-7	200	N.D.	
4-Methylphenol	106-44-5	200	N.D.	
Naphthalene	91-20-3	200	770	<---
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	3,900	<---
Phenol	108-95-2	200	N.D.	
Pyrene	129-00-0	200	12,000	<---
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 detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample Number: 97070296
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	1,400	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	3,200	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	6,300	<---
Benzo (b) fluoranthene	205-99-2	1000	7,600	<---
Benzo (k) fluoranthene	207-08-9	1000	1,700	<---
Benzo (g,h,i)perylene	191-24-2	1000	3,700	<---
Benzo (a) pyrene	50-32-8	1000	5,100	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	400	N.D.	
Chrysene	218-0109	400	9,500	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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

Sample Description: Soil, OA1-RE3-SP2
Laboratory Sample #: 97070296

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	400	11,000	<---
Fluorene	86-73-7	400	3,400	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	2,300	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	45,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	14,000	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	20,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	18,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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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, OA1-RE3-SP3
Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	1,200	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	2,600	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	4,000	<---
Benzo (b) fluoranthene	205-99-2	1000	4,000	<---
Benzo (k) fluoranthene	207-08-9	1000	1,400	<---
Benzo (g,h,i)perylene	191-24-2	1000	3,000	<---
Benzo (a) pyrene	50-32-8	1000	3,900	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	400	N.D.	
Chrysene	218-0109	400	6,800	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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

Sample Description: Soil, OA1-RE3-SP3
Laboratory Sample #: 97070297

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	5,100	<---
Fluorene	86-73-7	400	2,800	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	1,300	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	52,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	14,000	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	16,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	20,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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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, OA1-RE3-SP3

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

Laboratory Sample Number: 97070297
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

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 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/22/97
Reported: 07/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070299	Equip Blank	N.D.
97070300	Rinsate Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

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, Equip Blank
Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	89
Toluene-d8	96
4-Bromofluorobenzene	95

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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: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	88
Toluene-d8	100
4-Bromofluorobenzene	93

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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: 97070301
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070301

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	90
Toluene-d8	98
4-Bromofluorobenzene	94

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070299

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

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

Orange Coast Analytical

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Laboratory Director

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

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070300

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

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

Orange Coast Analytical

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
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Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070299
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/18/97
Received: 07/18/97
Analyzed: 07/21/97
Reported: 07/25/97

Laboratory Sample Number: 97070300
Laboratory Reference #: MWI 9359

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/21/97
Laboratory Sample No : 97070222
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	102	95	102	95	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.3	88	92	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	0.0	10.0	9.2	8.0	92	80	14
Barium	6.7	10.0	17.0	17.0	103	103	0
Beryllium	0.00	1.00	0.95	0.96	95	96	1
Cadmium	0.00	1.00	0.99	0.99	99	99	0
Chromium (Total)	1.30	5.00	6.50	6.30	104	100	3
Chromium (VI)	0.00	1.00	0.88	0.84	88	84	5
Cobalt	0.33	1.00	1.20	1.20	87	87	0
Copper	5.10	5.00	11.00	10.60	118	110	4
Lead	2.20	10.0	11.2	11.9	90	97	6
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	9.9	9.7	99	97	2
Nickel	0.40	5.00	5.0	4.8	93	88	4
Selenium	0.0	10.0	9.6	8.9	96	89	8
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	1.8	5.0	6.7	6.5	98	94	3
Zinc	9.9	10.0	18.7	19.3	88	94	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 : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070300
Laboratory Reference No : MWI 9359

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.70	83	90	8
Arsenic	0.00	1.00	1.02	1.04	102	104	2
Barium	0.000	0.100	0.081	0.089	81	89	9
Beryllium	0.00	0.100	0.099	0.099	99	99	0
Cadmium	0.00	0.100	0.104	0.099	104	99	5
Chromium (VI)	0.00	0.50	0.45	0.40	90	80	12
Chromium (Total)	0.00	0.100	0.091	0.094	91	94	3
Cobalt	0.00	0.100	0.116	0.120	116	120	3
Copper	0.000	0.100	0.097	0.099	97	99	2
Lead	0.00	1.00	1.00	0.92	100	92	8
Mercury	0.000	0.020	0.021	0.023	105	115	9
Molybdenum	0.00	1.00	0.82	0.89	82	89	8
Nickel	0.00	0.50	0.48	0.54	96	108	12
Selenium	0.00	1.00	1.08	0.94	108	94	14
Silver	0.00	0.50	0.47	0.47	94	94	0
Thallium	0.00	3.00	2.70	2.90	90	97	7
Vanadium	0.00	0.50	0.50	0.50	100	100	0
Zinc	0.000	0.100	0.084	0.090	84	90	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	51	104	102	2
1,1-Dichloroethene	0.0	50	50	50	100	100	0
Trichloroethene	0.0	50	46	45	92	90	2
Toluene	0.0	50	51	49	102	98	4
Chlorobenzene	0.0	50	47	46	94	92	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070301
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	1.1	1.2	110	120	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 : PCB 'S (EPA 8080)

Date of Analysis : 07/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	15	100	75	29

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 : 07/22/97
Laboratory Sample No : 97070186
Laboratory Reference No : MWI 9359

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	120	140	48	56	15

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.71	0.71	71	71	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	22	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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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	150	150	60	60	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/25/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.4	92	96	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070314
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	99	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070310
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	96	95	96	95	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/23/97
Laboratory Sample No :97070301
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/30/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	52	104	104	0
1,1-Dichloroethene	0.0	50	54	55	108	110	2
Trichloroethene	0.0	50	48	48	96	96	0
Toluene	0.0	50	50	50	100	100	0
Chlorobenzene	0.0	50	48	49	96	98	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/25/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	53	106	106	0
1,1-Dichloroethene	0.0	50	52	51	104	102	2
Trichloroethene	0.0	50	47	47	94	94	0
Toluene	0.0	50	53	52	106	104	2
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

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/24/97
Laboratory Sample No : 97070396
Laboratory Reference No : MWI 9370

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	56	106	112	6
1,1-Dichloroethene	0.0	50	49	53	98	106	8
Trichloroethene	0.0	50	49	50	98	100	2
Toluene	0.0	50	52	54	104	108	4
Chlorobenzene	0.0	50	49	50	98	100	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070367
Laboratory Reference #: MWI 9370

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070367
Laboratory Reference #: MWI 9370

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor 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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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070368

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/29/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070367

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070367
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/29/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070369

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	100
4-Bromofluorobenzene	94

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: 97070369
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/29/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070368

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	99
4-Bromofluorobenzene	95

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, Rinsate Blank
Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/29/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/l)***	***SAMPLE RESULTS (ug/l)***
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070367

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	94
Toluene-d8	99
4-Bromofluorobenzene	95

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: Water, Equip Blank
Laboratory Sample Number: 97070367
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/29/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/l)***	***SAMPLE RESULTS (ug/l)***
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

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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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

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070367
Laboratory Reference #: MWI 9370

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

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/25/97
Reported: 07/29/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070367	Equip Blank	N.D.
97070368	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: Soil,
Laboratory Reference #: MWI 9370A

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 08/11/97
Reported: 08/11/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070365	OA1-RE4-SP1	N.D.

Detection Limit:	0.1

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,
Laboratory Reference #: MWI 9370A

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 08/11/97
Reported: 08/11/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070365	OA1-RE4-SP1	2.2

Detection Limit:	0.1

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, OA1-RE4-SP1

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070365
Laboratory Reference #: MWI 9370

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
PCB-1016	12674-11-2	20	N.D.
PCB-1221	11104-28-2	20	N.D.
PCB-1232	11141-16-5	20	N.D.
PCB-1242	53469-21-9	20	N.D.
PCB-1248	12672-29-6	20	N.D.
PCB-1254	11097-69-1	20	N.D.
PCB-1260	11096-82-5	20	35 <---

Analytes reported as N.D. were not present above the stated limit of detection.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE4-SP1
Laboratory Sample #: 97070365

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
Fluoranthene	206-44-0	100	190	<---
Fluorene	86-73-7	100	280	<---
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	1,900	<---
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	390	<---
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	990	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	400	<---
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

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Montgomery Watson
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250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE4-SP1
Laboratory Sample Number: 97070365
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzoic Acid	65-85-0	500	N.D.	
Benzo (a) anthracene	56-55-3	100	130	<---
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	1,400	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	190	<---
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	200	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-GS-13-9'
Laboratory Sample #: 97070356

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	2000	11,000 <---
Fluorene	86-73-7	2000	8,400 <---
Hexachlorobenzene	118-74-1	2000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	N.D.
Isophorone	78-59-1	2000	N.D.
2-Methylnaphthalene	91-57-6	2000	160,000 <---
2-Methylphenol	95-48-7	2000	N.D.
4-Methylphenol	106-44-5	2000	N.D.
Naphthalene	91-20-3	2000	46,000 <---
2-Nitroaniline	88-74-4	5000	N.D.
3-Nitroaniline	99-09-2	5000	N.D.
4-Nitroaniline	100-01-6	5000	N.D.
Nitrobenzene	98-95-3	2000	N.D.
2-Nitrophenol	88-75-5	2000	N.D.
4-Nitrophenol	100-02-7	2000	N.D.
N-Nitrosodiphenylamine	86-30-6	2000	N.D.
N-Nitroso-di-N-propylamine	621-64-7	2000	N.D.
N-Nitrosodimethylamine	62-75-9	2000	N.D.
Pentachlorophenol	87-86-5	5000	N.D.
Phenanthrene	85-01-8	2000	50,000 <---
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	44,000 <---
1,2,4-Trichlorobenzene	120-82-1	2000	N.D.
2,4,5-Trichlorophenol	95-95-4	2000	N.D.
2,4,6-Trichlorophenol	88-06-2	2000	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-13-9'
Laboratory Sample Number: 97070356
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	2000	N.D.	
Acenaphthylene	208-96-8	2000	N.D.	
Aniline	62-53-3	2000	N.D.	
Anthracene	120-12-7	2000	6,200	<---
Benzoic Acid	65-85-0	10000	N.D.	
Benzo (a) anthracene	56-55-3	2000	9,200	<---
Benzo (b) fluoranthene	205-99-2	5000	N.D.	
Benzo (k) fluoranthene	207-08-9	5000	N.D.	
Benzo (g,h,i)perylene	191-24-2	5000	N.D.	
Benzo (a) pyrene	50-32-8	5000	7,800	<---
Benzyl alcohol	100-51-6	2000	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	2000	N.D.	
Bis(2-chloroethyl)ether	111-44-4	2000	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	2000	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	2000	N.D.	
4-Bromophenyl phenyl ether	101-55-3	2000	N.D.	
Butyl benzyl phthalate	85-68-7	2000	N.D.	
4-Chloroaniline	106-47-8	2000	N.D.	
2-Chloronaphthalene	91-58-7	2000	N.D.	
4-Chloro-3-methylphenol	59-50-7	2000	N.D.	
2-Chlorophenol	95-57-8	2000	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	2000	N.D.	
Chrysene	218-0109	2000	14,000	<---
Dibenz(a,h)anthracene	53-70-3	2000	N.D.	
Dibenzofuran	132-64-9	2000	N.D.	
Di-N-butyl phthalate	84-74-2	5000	N.D.	
1,3-Dichlorobenzene	541-73-1	2000	N.D.	
1,4-Dichlorobenzene	106-46-7	2000	N.D.	
1,2-Dichlorobenzene	95-50-1	2000	N.D.	
3,3-Dichlorobenzidine	91-94-1	2000	N.D.	
2,4-Dichlorophenol	120-83-2	2000	N.D.	
Diethyl phthalate	84-66-2	2000	N.D.	
2,4-Dimethylphenol	105-67-9	2000	N.D.	
Dimethyl phthalate	131-11-3	2000	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	2000	N.D.	
2,4-Dinitrophenol	51-28-5	2000	N.D.	
2,4-Dinitrotoluene	121-14-2	5000	N.D.	
2,6-Dinitrotoluene	606-20-2	5000	N.D.	
Di-N-octyl phthalate	117-84-0	5000	N.D.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-GS-12-5'
Laboratory Sample #: 97070355

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	1000	8,700	<---
Fluorene	86-73-7	1000	7,500	<---
Hexachlorobenzene	118-74-1	1000	N.D.	
Hexachlorobutadiene	87-68-3	1000	N.D.	
Hexachlorocyclopentadiene	77-47-4	1000	N.D.	
Hexachloroethane	67-72-1	1000	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	2500	N.D.	
Isophorone	78-59-1	1000	N.D.	
2-Methylnaphthalene	91-57-6	1000	130,000	<---
2-Methylphenol	95-48-7	1000	N.D.	
4-Methylphenol	106-44-5	1000	N.D.	
Naphthalene	91-20-3	1000	37,000	<---
2-Nitroaniline	88-74-4	2500	N.D.	
3-Nitroaniline	99-09-2	2500	N.D.	
4-Nitroaniline	100-01-6	2500	N.D.	
Nitrobenzene	98-95-3	1000	N.D.	
2-Nitrophenol	88-75-5	1000	N.D.	
4-Nitrophenol	100-02-7	1000	N.D.	
N-Nitrosodiphenylamine	86-30-6	1000	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	1000	N.D.	
N-Nitrosodimethylamine	62-75-9	1000	N.D.	
Pentachlorophenol	87-86-5	2500	N.D.	
Phenanthrene	85-01-8	1000	40,000	<---
Phenol	108-95-2	1000	N.D.	
Pyrene	129-00-0	1000	28,000	<---
1,2,4-Trichlorobenzene	120-82-1	1000	N.D.	
2,4,5-Trichlorophenol	95-95-4	1000	N.D.	
2,4,6-Trichlorophenol	88-06-2	1000	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
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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, OA1-GS-12-5'
Laboratory Sample Number: 97070355
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/30/97
Reported: 07/30/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	1000	N.D.	
Acenaphthylene	208-96-8	1000	N.D.	
Aniline	62-53-3	1000	N.D.	
Anthracene	120-12-7	1000	4,900	<---
Benzoic Acid	65-85-0	5000	N.D.	
Benzo (a) anthracene	56-55-3	1000	6,600	<---
Benzo (b) fluoranthene	205-99-2	2500	N.D.	
Benzo (k) fluoranthene	207-08-9	2500	N.D.	
Benzo (g,h,i)perylene	191-24-2	2500	3,900	<---
Benzo (a) pyrene	50-32-8	2500	5,800	<---
Benzyl alcohol	100-51-6	1000	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	1000	N.D.	
Bis(2-chloroethyl)ether	111-44-4	1000	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	1000	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	1000	N.D.	
4-Bromophenyl phenyl ether	101-55-3	1000	N.D.	
Butyl benzyl phthalate	85-68-7	1000	N.D.	
4-Chloroaniline	106-47-8	1000	N.D.	
2-Chloronaphthalene	91-58-7	1000	N.D.	
4-Chloro-3-methylphenol	59-50-7	1000	N.D.	
2-Chlorophenol	95-57-8	1000	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	1000	N.D.	
Chrysene	218-0109	1000	10,000	<---
Dibenz(a,h)anthracene	53-70-3	1000	N.D.	
Dibenzofuran	132-64-9	1000	N.D.	
Di-N-butyl phthalate	84-74-2	2500	N.D.	
1,3-Dichlorobenzene	541-73-1	1000	N.D.	
1,4-Dichlorobenzene	106-46-7	1000	N.D.	
1,2-Dichlorobenzene	95-50-1	1000	N.D.	
3,3-Dichlorobenzidine	91-94-1	1000	N.D.	
2,4-Dichlorophenol	120-83-2	1000	N.D.	
Diethyl phthalate	84-66-2	1000	N.D.	
2,4-Dimethylphenol	105-67-9	1000	N.D.	
Dimethyl phthalate	131-11-3	1000	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	1000	N.D.	
2,4-Dinitrophenol	51-28-5	1000	N.D.	
2,4-Dinitrotoluene	121-14-2	2500	N.D.	
2,6-Dinitrotoluene	606-20-2	2500	N.D.	
Di-N-octyl phthalate	117-84-0	2500	N.D.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-GS-6-3'
Laboratory Sample #: 97070349

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	800	41,000 <---
Fluorene	86-73-7	800	N.D.
Hexachlorobenzene	118-74-1	800	N.D.
Hexachlorobutadiene	87-68-3	800	N.D.
Hexachlorocyclopentadiene	77-47-4	800	N.D.
Hexachloroethane	67-72-1	800	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	2000	11,000 <---
Isophorone	78-59-1	800	N.D.
2-Methylnaphthalene	91-57-6	800	N.D.
2-Methylphenol	95-48-7	800	N.D.
4-Methylphenol	106-44-5	800	N.D.
Naphthalene	91-20-3	800	N.D.
2-Nitroaniline	88-74-4	2000	N.D.
3-Nitroaniline	99-09-2	2000	N.D.
4-Nitroaniline	100-01-6	2000	N.D.
Nitrobenzene	98-95-3	800	N.D.
2-Nitrophenol	88-75-5	800	N.D.
4-Nitrophenol	100-02-7	800	N.D.
N-Nitrosodiphenylamine	86-30-6	800	N.D.
N-Nitroso-di-N-propylamine	621-64-7	800	N.D.
N-Nitrosodimethylamine	62-75-9	800	N.D.
Pentachlorophenol	87-86-5	2000	N.D.
Phenanthrene	85-01-8	800	N.D.
Phenol	108-95-2	800	N.D.
Pyrene	129-00-0	800	48,000 <---
1,2,4-Trichlorobenzene	120-82-1	800	N.D.
2,4,5-Trichlorophenol	95-95-4	800	N.D.
2,4,6-Trichlorophenol	88-06-2	800	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-6-3'
Laboratory Sample Number: 97070349
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/28/97
Reported: 07/29/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	800	N.D.	
Acenaphthylene	208-96-8	800	N.D.	
Aniline	62-53-3	800	N.D.	
Anthracene	120-12-7	800	N.D.	
Benzoic Acid	65-85-0	4000	N.D.	
Benzo (a) anthracene	56-55-3	800	27,000	<---
Benzo (b) fluoranthene	205-99-2	2000	46,000	<---
Benzo (k) fluoranthene	207-08-9	2000	9,400	<---
Benzo (g,h,i)perylene	191-24-2	2000	11,000	<---
Benzo (a) pyrene	50-32-8	2000	16,000	<---
Benzyl alcohol	100-51-6	800	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	800	N.D.	
Bis(2-chloroethyl)ether	111-44-4	800	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	800	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	800	N.D.	
4-Bromophenyl phenyl ether	101-55-3	800	N.D.	
Butyl benzyl phthalate	85-68-7	800	N.D.	
4-Chloroaniline	106-47-8	800	N.D.	
2-Chloronaphthalene	91-58-7	800	N.D.	
4-Chloro-3-methylphenol	59-50-7	800	N.D.	
2-Chlorophenol	95-57-8	800	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	800	N.D.	
Chrysene	218-0109	800	29,000	<---
Dibenz(a,h)anthracene	53-70-3	800	3,400	<---
Dibenzofuran	132-64-9	800	N.D.	
Di-N-butyl phthalate	84-74-2	2000	N.D.	
1,3-Dichlorobenzene	541-73-1	800	N.D.	
1,4-Dichlorobenzene	106-46-7	800	N.D.	
1,2-Dichlorobenzene	95-50-1	800	N.D.	
3,3-Dichlorobenzidine	91-94-1	800	N.D.	
2,4-Dichlorophenol	120-83-2	800	N.D.	
Diethyl phthalate	84-66-2	800	N.D.	
2,4-Dimethylphenol	105-67-9	800	N.D.	
Dimethyl phthalate	131-11-3	800	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	800	N.D.	
2,4-Dinitrophenol	51-28-5	800	N.D.	
2,4-Dinitrotoluene	121-14-2	2000	N.D.	
2,6-Dinitrotoluene	606-20-2	2000	N.D.	
Di-N-octyl phthalate	117-84-0	2000	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE4-SP1
Laboratory Sample #: 97070365

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	53	<---
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	170	<---
sec-Butylbenzene	135-98-8	2.5	28	<---
4-Isopropyltoluene	99-87-6	2.5	33	<---
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	39	<---
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	430	<---
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	90
Toluene-d8	94
4-Bromofluorobenzene	91

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Sample Description: Soil, OA1-RE4-SP1
Laboratory Sample Number: 97070365
Laboratory Reference #: MWI 9370

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	54	<---
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-GS-13-9'
Laboratory Sample #: 97070356

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	500	N.D.	
Isopropylbenzene	98-82-8	500	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	500	N.D.	
1,2,3-Trichloropropane	96-18-4	500	N.D.	
Bromobenzene	108-86-1	500	N.D.	
n-Propylbenzene	103-65-1	500	1,500	<---
2-Chlorotoluene	95-49-8	500	N.D.	
1,3,5-Trimethylbenzene	108-67-8	500	5,900	<---
4-Chlorotoluene	106-43-4	500	N.D.	
tert-Butylbenzene	98-06-6	500	N.D.	
1,2,4-Trimethylbenzene	95-63-6	500	22,000	<---
sec-Butylbenzene	135-98-8	500	N.D.	
4-Isopropyltoluene	99-87-6	500	N.D.	
1,3-Dichlorobenzene	541-73-1	500	N.D.	
1,4-Dichlorobenzene	106-46-7	500	N.D.	
n-Butylbenzene	104-51-8	500	2,600	<---
1,2-Dichlorobenzene	95-50-1	500	N.D.	
1,2-Dibromo-3-CPA	96-12-8	1000	N.D.	
1,2,4-Trichlorobenzene	120-82-1	500	N.D.	
Hexachlorobutadiene	87-68-3	500	N.D.	
Naphthalene	91-20-3	500	97,000	<---
1,2,3-Trichlorobenzene	87-61-6	500	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	86
Toluene-d8	91
4-Bromofluorobenzene	99

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-13-9'
Laboratory Sample Number: 97070356
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/30/97
Reported: 08/01/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	500	N.D.	
Bromodichloromethane	75-27-4	500	N.D.	
Bromoform	75-25-2	500	N.D.	
Bromomethane	74-83-9	500	N.D.	
Carbon Disulfide	75-15-0	1000	N.D.	
Carbon tetrachloride	56-23-5	500	N.D.	
Chlorobenzene	108-90-7	500	N.D.	
Chlorodibromomethane	124-48-1	500	N.D.	
Chloroethane	75-00-3	500	N.D.	
2-Chloroethyl vinyl ether	110-75-8	1000	N.D.	
Chloroform	67-66-3	500	N.D.	
Chloromethane	74-87-3	500	N.D.	
1,1-Dichloroethane	75-34-3	500	N.D.	
1,2-Dichloroethane	107-06-2	500	N.D.	
1,1-Dichloroethene	75-35-4	500	N.D.	
Trans 1,2-Dichloroethene	156-60-5	500	N.D.	
1,2-Dichloropropane	78-87-5	500	N.D.	
cis-1,3-Dichloropropene	10061-01-5	500	N.D.	
trans-1,3-Dichloropropene	10061-02-6	500	N.D.	
Ethylbenzene	100-41-4	500	1,700	<---
Methylene chloride	75-09-2	1000	N.D.	
Styrene	100-42-5	500	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	500	N.D.	
Tetrachloroethene	127-18-4	500	N.D.	
Toluene	108-88-3	500	N.D.	
1,1,1-Trichloroethane	71-55-6	500	N.D.	
1,1,2-Trichloroethane	79-00-5	500	N.D.	
Trichloroethene	79-01-6	500	N.D.	
Trichlorofluoromethane	75-69-4	1000	N.D.	
Vinyl acetate	108-05-4	1000	N.D.	
Vinyl chloride	75-01-4	500	N.D.	
Total Xylenes	1330-20-7	500	4,800	<---
Dichlorodifluoromethane	75-71-8	500	N.D.	
cis-1-2,-Dichloroethene	156-59-2	500	N.D.	
2,2-Dichloropropane	594-20-7	500	N.D.	
Bromochloromethane	74-97-5	500	N.D.	
1,1-Dichloropropene	563-58-6	500	N.D.	
Dibromomethane	74-95-3	500	N.D.	
1,2-Dibromoethane	106-93-4	500	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-GS-12-5'
Laboratory Sample #: 97070355

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)	
1,3-Dichloropropane	142-28-9	1000	N.D.	
Isopropylbenzene	98-82-8	1000	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	1000	N.D.	
1,2,3-Trichloropropane	96-18-4	1000	N.D.	
Bromobenzene	108-86-1	1000	N.D.	
n-Propylbenzene	103-65-1	1000	1,700	<---
2-Chlorotoluene	95-49-8	1000	N.D.	
1,3,5-Trimethylbenzene	108-67-8	1000	11,000	<---
4-Chlorotoluene	106-43-4	1000	N.D.	
tert-Butylbenzene	98-06-6	1000	N.D.	
1,2,4-Trimethylbenzene	95-63-6	1000	36,000	<---
sec-Butylbenzene	135-98-8	1000	N.D.	
4-Isopropyltoluene	99-87-6	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	1000	N.D.	
1,4-Dichlorobenzene	106-46-7	1000	N.D.	
n-Butylbenzene	104-51-8	1000	2,600	<---
1,2-Dichlorobenzene	95-50-1	1000	N.D.	
1,2-Dibromo-3-CPA	96-12-8	2000	N.D.	
1,2,4-Trichlorobenzene	120-82-1	1000	N.D.	
Hexachlorobutadiene	87-68-3	1000	N.D.	
Naphthalene	91-20-3	1000	120,000	<---
1,2,3-Trichlorobenzene	87-61-6	1000	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	88
Toluene-d8	95
4-Bromofluorobenzene	91

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, OA1-GS-12-5'
Laboratory Sample Number: 97070355
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/31/97
Reported: 08/01/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	1000	N.D.
Bromodichloromethane	75-27-4	1000	N.D.
Bromoform	75-25-2	1000	N.D.
Bromomethane	74-83-9	1000	N.D.
Carbon Disulfide	75-15-0	2000	N.D.
Carbon tetrachloride	56-23-5	1000	N.D.
Chlorobenzene	108-90-7	1000	N.D.
Chlorodibromomethane	124-48-1	1000	N.D.
Chloroethane	75-00-3	1000	N.D.
2-Chloroethyl vinyl ether	110-75-8	2000	N.D.
Chloroform	67-66-3	1000	N.D.
Chloromethane	74-87-3	1000	N.D.
1,1-Dichloroethane	75-34-3	1000	N.D.
1,2-Dichloroethane	107-06-2	1000	N.D.
1,1-Dichloroethene	75-35-4	1000	N.D.
Trans 1,2-Dichloroethene	156-60-5	1000	N.D.
1,2-Dichloropropane	78-87-5	1000	N.D.
cis-1,3-Dichloropropene	10061-01-5	1000	N.D.
trans-1,3-Dichloropropene	10061-02-6	1000	N.D.
Ethylbenzene	100-41-4	1000	2,500 <---
Methylene chloride	75-09-2	2000	N.D.
Styrene	100-42-5	1000	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	1000	N.D.
Tetrachloroethene	127-18-4	1000	N.D.
Toluene	108-88-3	1000	N.D.
1,1,1-Trichloroethane	71-55-6	1000	N.D.
1,1,2-Trichloroethane	79-00-5	1000	N.D.
Trichloroethene	79-01-6	1000	N.D.
Trichlorofluoromethane	75-69-4	2000	N.D.
Vinyl acetate	108-05-4	2000	N.D.
Vinyl chloride	75-01-4	1000	N.D.
Total Xylenes	1330-20-7	1000	N.D.
Dichlorodifluoromethane	75-71-8	1000	N.D.
cis-1-2,-Dichloroethene	156-59-2	1000	N.D.
2,2-Dichloropropane	594-20-7	1000	N.D.
Bromochloromethane	74-97-5	1000	N.D.
1,1-Dichloropropene	563-58-6	1000	N.D.
Dibromomethane	74-95-3	1000	N.D.
1,2-Dibromoethane	106-93-4	1000	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

VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-GS-6-3'
Laboratory Sample #: 97070349

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	97
Toluene-d8	97
4-Bromofluorobenzene	94

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-6-3'
Laboratory Sample Number: 97070349
Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/25/97
Reported: 07/29/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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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, OA1-RE4-SP1

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070365
Laboratory Reference #: MWI 9370

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	160	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	36	<---
Lead	6010	5.0	1000	1.0	41	<---
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	280	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-13-9'

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070356
Laboratory Reference #: MWI 9370

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	28	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	9.9	<---
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	36	<---
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

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, OA1-GS-12-5'

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070355
Laboratory Reference #: MWI 9370

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	9.0	<---
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	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	37	<---
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

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, OA1-GS-6-3'

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070349
Laboratory Reference #: MWI 9370

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	86	<---
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	6.4	<---
Copper	6010	25	2500	0.1	9.3	<---
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	8.3	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	30	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/23/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070356	OA1-GS-13-9'	5,400
97070365	OA1-RE4-SP1	1,300

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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 9370

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/23/97
Reported: 07/23/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070349	OA1-GS-6-3'	13
97070355	OA1-GS-12-5'	9,800
Detection Limit:		8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 8/1/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please change the turn-around time to RUSH for all the California Waste Extraction Test (WET) and TCLP analyses requested on the following samples:

OA1-RE1-SP1
OA1-RE1-SP2
OA1-RE1-SP5
OA1-RE1-SP7
OA1-RE2-SP5
OA1-RE2-SP7
OA1-RE3-SP6
OA1-RE3-SP8
OA1-RE3-SP9
OA1-RE3-SP10

Also please analyze the following sample for PCBs (8080) on standard turn-around time:

OA1-RE7-SP2

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.

TOTAL P.01

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 7/28/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please perform the California Waste Extraction Test [redacted] on the following samples for the indicated analytes only on standard turn-around time:

OA1-RE1-SP1	Chromium (total), and Lead (total)
OA1-RE1-SP2	Chromium (total), and Lead (total)
OA1-RE1-SP5	Chromium (total)
OA1-RE1-SP7	Chromium (total)
OA1-RE2-SP5	Chromium (total), and Lead (total)
OA1-RE2-SP7	Chromium (total), and Lead (total)
[redacted]	

Also, please analyze the following sample for PCBs (8080) on standard turn-around time:

OA1-RE4-SP1

Please call me at (818) 568-6334 to confirm your receipt of this fax.
Thanks!

If you do not receive all pages, or if there are any problems with this transmission, please call Brenda Whitney at 818-568-6514.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page ____ of ____

REQUIRED TAT: 24 hr TAT on TRPH only, Standard TAT others

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA
PHONE: 818-568-6582 FAX: 818-796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 Normandie Ave. Los Angeles, CA
SAMPLED BY: AWN/JV

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
OA1-RE3-SP5	2	7/21/97	1538	SOIL	2"x6" Sleeves	ICE	X	X	X	X			
OA1-RE3-SP6	2		1546				X	X	X	X			
OA1-RE3-SP7	2		1605				X	X	X	X			
OA1-RE3-SP8	2		1615				X	X	X	X			
OA1-RE3-SP9	2		1620				X	X	X	X			
OA1-RE3-SP10	2		1627				X	X	X	X			
Equipment Blank	7		1650	WATER	Hamper VOAs	None HCl	X	X	X	X	X	X	
Rinsate Blank	7		1710				X	X	X	X	X	X	
Trip Blank	2		—		2 VOAs	HCl			X				

Total No. of Samples: 9

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/21/97 1730		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	7/21/97 17:30

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-C6-0147180

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 : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.71	0.71	71	71	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	20	22	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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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070300
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.70	83	90	8
Arsenic	0.00	1.00	1.02	1.04	102	104	2
Barium	0.000	0.100	0.081	0.089	81	89	9
Beryllium	0.00	0.100	0.099	0.099	99	99	0
Cadmium	0.00	0.100	0.104	0.099	104	99	5
Chromium (VI)	0.00	0.50	0.45	0.40	90	80	12
Chromium (Total)	0.00	0.100	0.091	0.094	91	94	3
Cobalt	0.00	0.100	0.116	0.120	116	120	3
Copper	0.000	0.100	0.097	0.099	97	99	2
Lead	0.00	1.00	1.00	0.92	100	92	8
Mercury	0.000	0.020	0.021	0.023	105	115	9
Molybdenum	0.00	1.00	0.82	0.89	82	89	8
Nickel	0.00	0.50	0.48	0.54	96	108	12
Selenium	0.00	1.00	1.08	0.94	108	94	14
Silver	0.00	0.50	0.47	0.47	94	94	0
Thallium	0.00	3.00	2.70	2.90	90	97	7
Vanadium	0.00	0.50	0.50	0.50	100	100	0
Zinc	0.000	0.100	0.084	0.090	84	90	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/23/97
Laboratory Sample No : 97070316
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	0.0	10.0	9.2	8.0	92	80	14
Barium	6.7	10.0	17.0	17.0	103	103	0
Beryllium	0.00	1.00	0.95	0.96	95	96	1
Cadmium	0.00	1.00	0.99	0.99	99	99	0
Chromium (Total)	1.30	5.00	6.50	6.30	104	100	3
Chromium (VI)	0.00	1.00	0.88	0.84	88	84	5
Cobalt	0.33	1.00	1.20	1.20	87	87	0
Copper	5.10	5.00	11.00	10.60	118	110	4
Lead	2.20	10.0	11.2	11.9	90	97	6
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	9.9	9.7	99	97	2
Nickel	0.40	5.00	5.0	4.8	93	88	4
Selenium	0.0	10.0	9.6	8.9	96	89	8
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	1.8	5.0	6.7	6.5	98	94	3
Zinc	9.9	10.0	18.7	19.3	88	94	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 : 07/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	37	37	74	74	0
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	45	46	90	92	2
Pentachlorophenol	0.0	100	78	78	78	78	0
4-Chloro-3-Methylphenol	0.0	100	67	68	67	68	1
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	23	24	23	24	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/23/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	46	86	92	7
n-Nitroso-di-n-propylamine	0.0	50	45	45	90	90	0
1,2,4-Trichlorobenzene	0.0	50	44	46	88	92	4
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	44	46	88	92	4
Pentachlorophenol	0.0	100	80	81	80	81	1
4-Chloro-3-Methylphenol	0.0	100	73	72	73	72	1
2-Chlorophenol	0.0	100	74	76	74	76	3
Phenol	0.0	100	72	74	72	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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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070366
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	45	45	90	90	0
n-Nitroso-di-n-propylamine	0.0	50	39	38	78	76	3
1,2,4-Trichlorobenzene	0.0	50	46	45	92	90	2
Acenaphthene	0.0	50	47	48	94	96	2
Pyrene	9.8	50	69	65	118	110	6
Pentachlorophenol	0.0	100	61	56	61	56	9
4-Chloro-3-Methylphenol	0.0	100	69	64	69	64	8
2-Chlorophenol	0.0	100	78	77	78	77	1
Phenol	0.0	100	68	65	68	65	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
Pentachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070301
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	20	100	100	0
1,1-Dichloroethene	0.0	20	17	18	85	90	6
Trichloroethene	0.0	20	17	19	85	95	11
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	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

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/22/97
Laboratory Sample No : 97070317
Laboratory Reference No : MWI 9364

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	52	52	104	104	0
1,1-Dichloroethene	0.0	50	51	50	102	100	2
Trichloroethene	0.0	50	47	46	94	92	2
Toluene	0.0	50	50	50	100	100	0
Chlorobenzene	0.0	50	48	47	96	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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No :97070222
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	101	101	101	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.2	2.3	88	92	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : TCLP (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070221
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	0.13	1.00	1.08	1.18	95	105	9
Lead	0.0	10	9.0	10	90	100	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 : STLC (EPA 6010)

Date of Analysis : 08/04/97
Laboratory Sample No : 97070265
Laboratory Reference No : MWI 9364

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	2.3	2.0	4.4	4.2	105	95	5
Lead	6.0	10.0	15.0	15.4	90	94	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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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor 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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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

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070324

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070323

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/l)***	***SAMPLE RESULTS (ug/l)***
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070325

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	96
Toluene-d8	98
4-Bromofluorobenzene	94

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97070325
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070324

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	95
Toluene-d8	98
4-Bromofluorobenzene	94

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, Rinsate Blank
Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070323

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	91
Toluene-d8	99
4-Bromofluorobenzene	94

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/31/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070324
Laboratory Reference #: MWI 9364

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070323
Laboratory Reference #: MWI 9364

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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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 9364

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070323	Equip Blank	N.D.
97070324	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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Laboratory Director

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample #: 97070317

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
Fluoranthene	206-44-0	100	8,400
Fluorene	86-73-7	100	330
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	630
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	4,300
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	7,500
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	660
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	2,200
Benzo (b) fluoranthene	205-99-2	250	2,700
Benzo (k) fluoranthene	207-08-9	250	830
Benzo (g,h,i)perylene	191-24-2	250	780
Benzo (a) pyrene	50-32-8	250	1,300
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	110
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	3,200
Dibenz(a,h)anthracene	53-70-3	100	220
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE3-SP5
Laboratory Sample #: 97070317

ANALYTE	CAS NUMBER	DETECTION Limit (ug/kg)	SAMPLE RESULTS (ug/kg)
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	92
Toluene-d8	97
4-Bromofluorobenzene	93

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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, OA1-RE3-SP5
Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/25/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-34-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorodifluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.
2,2-Dichloropropane	594-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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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, OA1-RE3-SP5

Sampled: 07/21/97
Recevied: 07/21/97
Analyzed: 07/23/97
Reported: 07/25/97

Laboratory Sample Number: 97070317
Laboratory Reference #: MWI 9364

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	43
Cobalt	6010	80	8000	0.5	7.7
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	5.0
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	28
Zinc	6010	250	5000	0.1	79

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: Soil,

Laboratory Reference #: MWI 9364

Sampled: 07/21/97
Received: 07/21/97
Analyzed: 07/22/97
Reported: 07/22/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070317	OA1-RE3-SP5	47

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 7/22/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please analyze the following sample for PCBs (8080) on standard turn-around time:

OA1-RE3-SP3

Please call me at (818) 568-6334 to confirm your receipt of this fax.
Thanks!

If you do not receive all pages, or if there are any problems with this transmission, please call Brenda Whitney at 818-568-6514.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532
Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: ____ Page 1 of 1

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N Madison, Pasadena, CA 91101
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 facility
ADDRESS: 19503 S Normandie, Los Angeles, CA
SAMPLED BY: ANIV

SAMPLE ID							TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
OA1-RE2-SP9	2	7/18/97	1310	Soil	2 1/2x6" SS sleeve	Ice	X	X	X	X					
OA1-RE2-SP10			1330				X	X	X	X					
OA1-RE3-SP1			1400				X	X	X	X					
OA1-RE3-SP2			1420				X	X	X	X					
OA1-RE3-SP3			1440				X	X	X	X					
OA1-RE3-SP4			1510				X	X	X	X					
Equipment Blank	7	7/18/97	1500	Water	4 amber 1 poly 3 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	7/18/97	1515				X	X	X	X	X	X			
Trip Blank	2	7/18/97			2 VOAs	HCL			X						

Total No. of Samples: 9

Method of Shipment:

Relinquished By: Ivan Vargas Date/Time: 7/18/97 1645

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: 7/18/97 16:45

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-C6-0147219

ORANGE COAST ANALYTICAL, INC.
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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/23/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	36	70	72	3
n-Nitroso-di-n-propylamine	0.0	50	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	37	37	74	74	0
Acenaphthene	0.0	50	45	46	90	92	2
Pyrene	0.0	50	45	46	90	92	2
Pentachlorophenol	0.0	100	78	78	78	78	0
4-Chloro-3-Methylphenol	0.0	100	67	68	67	68	1
2-Chlorophenol	0.0	100	73	74	73	74	1
Phenol	0.0	100	23	24	23	24	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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/22/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9359

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	45	50	90	100	11
1,2,4-Trichlorobenzene	0.0	50	46	48	92	96	4
Acenaphthene	0.0	50	47	47	94	94	0
Pyrene	0.0	50	45	44	90	88	2
'entachlorophenol	0.0	100	75	84	75	84	11
4-Chloro-3-Methylphenol	0.0	100	73	77	73	77	5
2-Chlorophenol	0.0	100	77	78	77	78	1
Phenol	0.0	100	74	75	74	75	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/23/97
Laboratory Sample No : 97070366
Laboratory Reference No : MWI 9370

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	45	45	90	90	0
n-Nitroso-di-n-propylamine	0.0	50	39	38	78	76	3
1,2,4-Trichlorobenzene	0.0	50	46	45	92	90	2
Acenaphthene	0.0	50	47	48	94	96	2
Pyrene	9.8	50	69	65	118	110	6
Pentachlorophenol	0.0	100	61	56	61	56	9
4-Chloro-3-Methylphenol	0.0	100	69	64	69	64	8
2-Chlorophenol	0.0	100	78	77	78	77	1
Phenol	0.0	100	68	65	68	65	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/25/97
Laboratory Sample No : 97070362
Laboratory Reference No : MWI 9370

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	41	86	82	5
n-Nitroso-di-n-propylamine	0.0	50	39	39	78	78	0
1,2,4-Trichlorobenzene	0.0	50	43	42	86	84	2
Acenaphthene	0.0	50	44	42	88	84	5
Pyrene	0.0	50	43	39	86	78	10
Pentachlorophenol	0.0	100	76	72	76	72	5
4-Chloro-3-Methylphenol	0.0	100	71	65	71	65	9
2-Chlorophenol	0.0	100	73	69	73	69	6
Phenol	0.0	100	68	63	68	63	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/27/97
Laboratory Sample No : 97070345
Laboratory Reference No : MWI 9370

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	53	45	106	90	16
1,2,4-Trichlorobenzene	0.0	50	45	44	90	88	2
Acenaphthene	0.0	50	44	44	88	88	0
Pyrene	12.8	50	57	53	88	80	7
Pentachlorophenol	0.0	100	84	82	84	82	2
4-Chloro-3-Methylphenol	0.0	100	70	65	70	65	7
2-Chlorophenol	0.0	100	72	71	72	71	1
Phenol	0.0	100	68	66	68	66	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 : 07/28/97
Laboratory Sample No : 97070362
Laboratory Reference No : MWI 9370

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	40	38	80	76	5
n-Nitroso-di-n-propylamine	0.0	50	41	37	82	74	10
1,2,4-Trichlorobenzene	0.0	50	42	41	84	82	2
Acenaphthene	0.0	50	42	40	84	80	5
Pyrene	0.0	50	39	38	78	76	3
Pentachlorophenol	0.0	100	70	67	70	67	4
4-Chloro-3-Methylphenol	0.0	100	66	60	66	60	10
2-Chlorophenol	0.0	100	71	67	71	67	6
Phenol	0.0	100	59	56	59	56	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

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/30/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9370

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	44	43	88	86	2
1,2,4-Trichlorobenzene	0.0	50	46	44	92	88	4
Acenaphthene	0.0	50	44	44	88	88	0
Pyrene	0.0	50	41	42	82	84	2
Pentachlorophenol	0.0	100	79	74	79	74	7
4-Chloro-3-Methylphenol	0.0	100	63	63	63	63	0
2-Chlorophenol	0.0	100	75	76	75	76	1
Phenol	0.0	100	63	64	63	64	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

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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 : 07/24/97
Laboratory Sample No : 97070368
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.60	2.70	87	90	4
Arsenic	0.00	1.00	0.90	1.02	90	102	13
Barium	0.000	0.100	0.098	0.104	98	104	6
Beryllium	0.00	0.100	0.101	0.097	101	97	4
Cadmium	0.00	0.100	0.115	0.115	115	115	0
Chromium (VI)	0.00	0.50	0.52	0.48	104	96	8
Chromium (Total)	0.00	0.100	0.102	0.109	102	109	7
Cobalt	0.00	0.100	0.091	0.100	91	100	9
Copper	0.000	0.100	0.107	0.093	107	93	14
Lead	0.00	1.00	1.00	0.88	100	88	13
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	1.00	0.81	0.93	81	93	14
Nickel	0.00	0.50	0.53	0.50	106	100	6
Selenium	0.00	1.00	1.09	0.97	109	97	12
Silver	0.00	0.50	0.52	0.46	104	92	12
Thallium	0.00	3.00	3.00	2.80	100	93	7
Vanadium	0.00	0.50	0.50	0.49	100	98	2
Zinc	0.000	0.100	0.102	0.088	102	88	15

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/24/97
Laboratory Sample No : 97070354
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.1	97	100	4
Arsenic	0.0	10.0	8.0	9.2	80	92	14
Barium	12.0	10.0	23.0	23.0	110	110	0
Beryllium	0.00	1.00	1.06	1.01	106	101	5
Cadmium	0.00	1.00	1.07	1.10	107	110	3
Chromium (Total)	2.50	5.00	7.30	7.50	96	100	3
Chromium (VI)	0.00	1.00	0.91	0.95	91	95	4
Cobalt	0.65	1.00	1.72	1.62	107	97	6
Copper	1.10	1.00	2.20	2.10	110	100	5
Lead	0.00	10.0	8.7	8.7	87	87	0
Mercury	0.000	0.020	0.020	0.018	100	90	11
Molybdenum	0.0	10.0	10.1	10.5	101	105	4
Nickel	1.00	5.00	5.9	5.7	98	94	3
Selenium	0.0	10.0	9.2	9.4	92	94	2
Silver	0.0	5.0	4.9	4.8	98	96	2
Thallium	0.0	30.0	24.0	25.0	80	83	4
Vanadium	3.0	5.0	8.2	8.1	104	102	1
Zinc	3.4	5.0	8.1	8.5	94	102	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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/24/97
Laboratory Sample No : 97070364
Laboratory Reference No : MWI 9370

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	28.0	97	93	4
Arsenic	0.0	10.0	8.4	8.3	84	83	1
Barium	11.0	10.0	23.0	21.5	120	105	7
Beryllium	0.00	1.00	0.98	1.00	98	100	2
Cadmium	0.00	1.00	1.02	1.05	102	105	3
Chromium (Total)	3.70	5.00	8.20	8.00	90	86	2
Chromium (VI)	0.00	1.00	0.88	0.90	88	90	2
Cobalt	0.87	1.00	1.89	1.87	102	100	1
Copper	1.90	1.00	3.00	2.90	110	100	3
Lead	0.00	10.0	8.0	8.0	80	80	0
Mercury	0.000	0.020	0.020	0.019	100	95	5
Molybdenum	0.0	10.0	10.3	9.9	103	99	4
Nickel	1.70	5.00	5.8	6.0	82	86	3
Selenium	0.0	10.0	9.2	8.7	92	87	6
Silver	0.0	5.0	5.1	5.7	102	114	11
Thallium	0.0	30.0	24.0	24.0	80	80	0
Vanadium	4.1	5.0	8.4	9.0	86	98	7
Zinc	6.0	5.0	10.4	10.4	88	88	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

Mark Noorani

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Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 2

REQUIRED TAT: 24 hr TAT on TRPH only; Standard TAT otherwise

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	Mc Donnell Douglas
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N. Madison Ave. Pasadena, CA	LOCATION:	C-6 Facility
		ADDRESS:	19503 Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	CW/AWN/IV

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
OA1-GS-1-4'	2	7/22/97	0850	SOIL	2"x6" SS Sleeve	ICE	X	X					
OA1-GS-2-6'	2		0905				X	X					
OA1-GS-3-4'	2		0940				X	X					
OA1-GS-4-6'	2		0955				X	X					
OA1-GS-5-3'	2		1015				X	X					
OA1-GS-6-3'	2		1030				X	X					
OA1-GS-7-12'	2		1040				X	X					
OA1-GS-8-12'	2		1050				X	X					
OA1-GS-9-10'	2		1100				X	X					
OA1-GS-10-4'	2		1110				X	X					
OA1-GS-11-4'	2		1120				X	X					
OA1-GS-12-5'	2		1140				X	X					
OA1-GS-13-9'	2		1150				X	X					
OA1-GS-14-12'	2		1310				X	X					

Total No. of Samples: 26

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/22/97 1700		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/22/97 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-C6-0147230

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 2

REQUIRED TAT: 24 hr TAT on Soil TRPH [redacted] Standard TAT Oth[redacted]

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	McDonnell Douglas
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N. Madison Ave. Pasadena, CA	LOCATION:	C-6 Facility
		ADDRESS:	19503 Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	CW/AWN/IV

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
OA1-GS-15-12'	2	7/22/97	1320	SOIL	2"x6" ss sleeve	ICE	X	X							
OA1-GS-16-12'	2		1330				X	X							
OA1-GS-17-12'	2		1345				X	X							
OA1-GS-18-12'	2		1415				X	X							
OA1-GS-19-6'	2		1445				X	X							
OA1-GS-20-4'	2		1500				X	X							
OA1-GS-21-12'	2		1515				X	X							
OA1-RE4-SP1	2		1520				X	X	X	X					
OA1-RE4-SP2	2		1530				X	X	X	X					
Equipment Blank	7		1600	WATER	1 amber 1 poly 1 poly	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1615		1 amber 1 poly 1 poly	None HNO3 HCl	X	X	X	X	X	X			
Trip Blank	2		—		2VOAs	HCl			X						

Total No. of Samples: 26

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/22/97 1700		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/22/97 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 [illegible]sal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0147231

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 7/25/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please analyze the following samples for VOCs (8260) and SVOCs (8270) on standard turn-around time:

97070344	OA1-GS-1-4'	OA1-GS-15-12'	97070358
97070345	OA1-GS-2-6'	OA1-GS-16-12'	97070359
97070346	OA1-GS-3-4'	OA1-GS-17-12'	97070360
97070347	OA1-GS-4-6'	OA1-GS-19-6'	97070362
97070348	OA1-GS-5-3'	OA1-GS-21-12'	97070364
97070349	OA1-GS-6-3'	OA1-GS-22-12'	97070375
97070351	OA1-GS-8-12'	OA1-GS-32-2'	97070385
97070352	OA1-GS-9-10'	OA1-GS-38-3'	97070391
97070354	OA1-GS-11-4'	OA1-GS-40-6'	97070393
97070355	OA1-GS-12-5'	OA1-GS-41-6'	97070394
97070356	OA1-GS-13-9'		
97070357	OA1-GS-14-12'		

Also, please analyze the following samples for PCBs (8080) on standard turn-around time:

OA1-GS-14-12'
OA1-GS-15-12'

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 6334
Fax: 818 796 5941

Date: 7/28/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please perform the California Waste Extraction Test (WET) and TCLP analysis on the following samples for the indicated analytes only on standard turn-around time:

OA1-RE1-SP1	Chromium (total), and Lead (total)
OA1-RE1-SP2	Chromium (total), and Lead (total)
OA1-RE1-SP5	Chromium (total)
OA1-RE1-SP7	Chromium (total)
OA1-RE2-SP5	Chromium (total), and Lead (total)
OA1-RE2-SP7	Chromium (total), and Lead (total)
OA1-RE3-SP6	Chromium (total)
OA1-RE3-SP8	Chromium (total)
OA1-RE3-SP9	Chromium (total)
OA1-RE3-SP10	Chromium (total)

[redacted]

[redacted]

Please call me at (818) 568-6334 to confirm your receipt of this fax.
Thanks!

If you do not receive all pages, or if there are any problems with this transmission, please call Brenda Whitney at 818-568-6514.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 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 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/30/97
Reported: 07/30/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070531	OA1-RE6-SP3	4,700
Detection Limit:		8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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, OA1-RE6-SP3

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

Laboratory Sample Number: 97070531
Laboratory Reference #: MWI 9403

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	38	<---
Cobalt	6010	80	8000	0.5	7.2	<---
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	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	110	<---

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, OA1-RE6-SP3
Laboratory Sample Number: 97070531
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	50	N.D.	
Bromodichloromethane	75-27-4	50	N.D.	
Bromoform	75-25-2	50	N.D.	
Bromomethane	74-83-9	50	N.D.	
Carbon Disulfide	75-15-0	100	N.D.	
Carbon tetrachloride	56-23-5	50	N.D.	
Chlorobenzene	108-90-7	50	N.D.	
Chlorodibromomethane	124-48-1	50	N.D.	
Chloroethane	75-00-3	50	N.D.	
2-Chloroethyl vinyl ether	110-75-8	100	N.D.	
Chloroform	67-66-3	50	N.D.	
Chloromethane	74-87-3	50	N.D.	
1,1-Dichloroethane	75-34-3	50	N.D.	
1,2-Dichloroethane	107-06-2	50	N.D.	
1,1-Dichloroethene	75-35-4	50	N.D.	
Trans 1,2-Dichloroethene	156-60-5	50	N.D.	
1,2-Dichloropropane	78-87-5	50	N.D.	
cis-1,3-Dichloropropene	10061-01-5	50	N.D.	
trans-1,3-Dichloropropene	10061-02-6	50	N.D.	
Ethylbenzene	100-41-4	50	180	<---
Methylene chloride	75-09-2	100	N.D.	
Styrene	100-42-5	50	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.	
Tetrachloroethene	127-18-4	50	N.D.	
Toluene	108-88-3	50	N.D.	
1,1,1-Trichloroethane	71-55-6	50	N.D.	
1,1,2-Trichloroethane	79-00-5	50	N.D.	
Trichloroethene	79-01-6	50	85	<---
Trichlorofluoromethane	75-69-4	100	N.D.	
Vinyl acetate	108-05-4	100	N.D.	
Vinyl chloride	75-01-4	50	N.D.	
Total Xylenes	1330-20-7	50	420	<---
Dichlorodifluoromethane	75-71-8	50	N.D.	
cis-1-2,-Dichloroethene	156-59-2	50	N.D.	
2,2-Dichloropropane	594-20-7	50	N.D.	
Bromochloromethane	74-97-5	50	N.D.	
1,1-Dichloropropene	563-58-6	50	N.D.	
Dibromomethane	74-95-3	50	N.D.	
1,2-Dibromoethane	106-93-4	50	N.D.	

ORANGE COAST ANALYTICAL, INC.
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE6-SP3
Laboratory Sample #: 97070531

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Isopropylbenzene	98-82-8	50	230	<---
1.1.2.2-Tetrachloroethane	79-34-5	50	N.D.	
1,2,3-Trichloropropane	96-18-4	50	N.D.	
Bromobenzene	108-86-1	50	N.D.	
n-Propylbenzene	103-65-1	50	370	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	470	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	2,500	<---
sec-Butylbenzene	135-98-8	50	350	<---
4-Isopropyltoluene	99-87-6	50	470	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	460	<---
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-3-CPA	96-12-8	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	50	N.D.	
Hexachlorobutadiene	87-68-3	50	N.D.	
Naphthalene	91-20-3	50	2,600	<---
1,2,3-Trichlorobenzene	87-61-6	50	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	90
Toluene-d8	96
4-Bromofluorobenzene	94

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, OA1-RE6-SP3
Laboratory Sample Number: 97070531
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	N.D.	
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	800	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	N.D.	
Benzo (b) fluoranthene	205-99-2	1000	N.D.	
Benzo (k) fluoranthene	207-08-9	1000	N.D.	
Benzo (g,h,i)perylene	191-24-2	1000	N.D.	
Benzo (a) pyrene	50-32-8	1000	N.D.	
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.	
Chrysene	218-0109	400	N.D.	
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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, OA1-RE6-SP3
Laboratory Sample #: 97070531

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	570	<---
Fluorene	86-73-7	400	2,100	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	N.D.	
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	10,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	3,700	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	5,300	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	620	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/30/97
Reported: 08/05/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070532	Equip Blank	N.D.
97070533	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.
3002 Dow, Suite 532, Tustin, 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

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

Laboratory Sample Number: 97070532
Laboratory Reference #: MWI 9403

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

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

Laboratory Sample Number: 97070533
Laboratory Reference #: MWI 9403

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070532
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/30/97
Reported: 08/05/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070532

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	91
Toluene-d8	95
4-Bromofluorobenzene	92

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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: 97070533
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/30/97
Reported: 08/05/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070533

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	92
Toluene-d8	96
4-Bromofluorobenzene	91

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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: 97070534
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/30/97
Reported: 08/05/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070534

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	89
Toluene-d8	95
4-Bromofluorobenzene	90

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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: 97070532
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/01/97
Reported: 08/05/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070532

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070533
Laboratory Reference #: MWI 9403

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/01/97
Reported: 08/05/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070533

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/04/97
Reported: 08/05/97

Laboratory Sample Number: 97070532
Laboratory Reference #: MWI 9403

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/04/97
Reported: 08/05/97

Laboratory Sample Number: 97070533
Laboratory Reference #: MWI 9403

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Hetachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/01/97
Reported: 08/05/97

Laboratory Sample Number: 97070532
Laboratory Reference #: MWI 9403

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/01/97
Reported: 08/05/97

Laboratory Sample Number: 97070533
Laboratory Reference #: MWI 9403

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/31/97
Laboratory Sample No : 97070528
Laboratory Reference No : MWI 9403

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	44	42	88	84	5
n-Nitroso-di-n-propylamine	0.0	50	41	43	82	86	5
1,2,4-Trichlorobenzene	0.0	50	45	44	90	88	2
Acenaphthene	0.0	50	46	44	92	88	4
Pyrene	0.0	50	47	44	94	88	7
Pentachlorophenol	0.0	100	83	79	83	79	5
4-Chloro-3-Methylphenol	0.0	100	75	71	75	71	5
2-Chlorophenol	0.0	100	81	76	81	76	6
Phenol	0.0	100	68	65	68	65	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/30/97
Laboratory Sample No : 97070500
Laboratory Reference No : MWI 9403

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	94	94	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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/30/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9403

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	1.9	1.8	76	72	5

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/31/97
Laboratory Sample No : 97070510
Laboratory Reference No : MWI 9403

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.0	30.0	100	100	0
Arsenic	0.0	10.0	8.6	8.2	86	82	5
Barium	1.4	10.0	11.6	10.9	102	95	6
Beryllium	0.00	1.00	0.98	0.96	98	96	2
Cadmium	0.00	1.00	0.95	0.91	95	91	4
Chromium (Total)	0.65	5.00	5.44	5.38	96	95	1
Chromium (VI)	0.00	1.00	0.86	0.81	86	81	6
Cobalt	0.00	1.00	1.04	0.99	104	99	5
Copper	0.00	1.00	1.03	1.05	103	105	2
Lead	0.00	10.0	9.5	9.2	95	92	3
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	10.7	10.0	107	100	7
Nickel	0.23	5.00	5.1	4.9	97	93	4
Selenium	0.0	10.0	9.4	9.2	94	92	2
Silver	0.0	5.0	4.6	5.4	92	108	16
Thallium	0.0	30.0	26.0	25.0	87	83	4
Vanadium	1.0	5.0	5.9	5.7	98	94	3
Zinc	1.0	5.0	5.4	5.5	89	91	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/31/97
Laboratory Sample No : 97070533
Laboratory Reference No : MWI 9403

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.30	2.40	77	80	4
Arsenic	0.00	1.00	0.90	1.00	90	100	11
Barium	0.000	0.100	0.088	0.089	88	89	1
Beryllium	0.00	0.100	0.096	0.094	96	94	2
Cadmium	0.00	0.100	0.102	0.097	102	97	5
Chromium (VI)	0.00	0.50	0.49	0.51	98	102	4
Chromium (Total)	0.00	0.100	0.099	0.089	99	89	11
Cobalt	0.00	0.100	0.080	0.088	80	88	10
Copper	0.000	0.100	0.081	0.080	81	80	1
Lead	0.00	1.00	0.95	0.96	95	96	1
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.00	1.00	0.82	0.85	82	85	4
Nickel	0.00	0.50	0.46	0.47	92	94	2
Selenium	0.00	1.00	0.82	0.80	82	80	2
Silver	0.00	0.50	0.43	0.42	86	84	2
Thallium	0.00	3.00	2.90	2.50	97	83	15
Vanadium	0.00	0.50	0.47	0.47	94	94	0
Zinc	0.000	0.100	0.100	0.096	100	96	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/30/97
Laboratory Sample No : 97070505
Laboratory Reference No : MWI 9403

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	20	19	100	95	5
1,1-Dichloroethene	0.0	20	18	17	90	85	6
Trichloroethene	0.0	20	18	17	90	85	6
Toluene	0.0	20	20	19	100	95	5
Chlorobenzene	0.0	20	20	18	100	90	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

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 : 08/01/97
Laboratory Sample No : 97070412
Laboratory Reference No : MWI 9403

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	53	53	106	106	0
1,1-Dichloroethene	0.0	50	54	54	108	108	0
Trichloroethene	0.00	50	51	52	102	104	2
Toluene	0.0	50	52	52	104	104	0
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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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/01/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9403

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	8.4	11	42	55	27

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 : 07/31/97
Laboratory Sample No : 97070461
Laboratory Reference No : MWI 9403

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	97	85	39	34	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9403

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.38	0.42	38	42	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

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/01/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9403

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	35	30	70	60	15
n-Nitroso-di-n-propylamine	0.0	50	39	34	78	68	14
1,2,4-Trichlorobenzene	0.0	50	36	31	72	62	15
Acenaphthene	0.0	50	43	39	86	78	10
Pyrene	0.0	50	46	42	92	84	9
Pentachlorophenol	0.0	100	80	68	80	68	16
4-Chloro-3-Methylphenol	0.0	100	60	51	60	51	16
2-Chlorophenol	0.0	100	76	66	76	66	14
Phenol	0.0	100	24	23	24	23	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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 7/30/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please analyze the following sample for PCBs (8080) on standard turn-around time:

OA1-GS-40-6'
OA1-GS-59-5'
OA1-RE6-SP2

Also please analyze the following samples for VOCs (8260) and SVOCs (8270) on standard turn-around time:

OA1-GS-10-4'
OA1-GS-44-10'
OA1-GS-46-10'
OA1-GS-48-12'
OA1-GS-55-3'
OA1-GS-56-3'
OA1-GS-58-10'
OA1-GS-59-5'
OA1-GS-60-6'
OA1-GS-62-6'
OA1-GS-64-7'
OA1-GS-67-5'
OA1-GS-69-8'

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.

TOTAL P.01

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

[redacted]

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	McDonnell Douglas
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035. 01090010
ADDRESS:	250 N Madison Ave	LOCATION:	C-6 Facility.
	Pasadena, CA 91101	ADDRESS:	19503 S Normandie Ave
			Los Angeles, CA
PHONE: (818)568-6582	FAX: (818)796-5941	SAMPLED BY:	CW/AN/IV.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERVATION	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
OA1-RE6-SP2	2	7/29/97	0830	Soil	2"x6" SS Sleeve	Ice	X	X	X	X					
OA1-RE7-SP1	2		1620				X	X	X	X					
OA1-RE6-SP3	2		1625				X	X	X	X					
Equipment Blank	7		1515.	Water	4 amber poly 2 VOAs	none HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7		1545.				X	X	X	X	X	X			
trip Blank.	2		—		2 VOAs	HCL			X						

Total No. of Samples: 6

Method of Shipment: 1 Cooler via Orange Coast Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/29/97 1645.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/29/97 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 f A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0147269

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/05/97
Reported: 08/05/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080057	OA1-RE8-SP5	400
Detection Limit:		8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE8-SP5

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080057
Laboratory Reference #: MWI 9424

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	24	<---
Cobalt	6010	80	8000	0.5	7.2	<---
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	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	26	<---
Zinc	6010	250	5000	0.1	46	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE8-SP5
Laboratory Sample Number: 97080057
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/12/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	50	N.D.
Bromodichloromethane	75-27-4	50	N.D.
Bromoform	75-25-2	50	N.D.
Bromomethane	74-83-9	50	N.D.
Carbon Disulfide	75-15-0	100	N.D.
Carbon tetrachloride	56-23-5	50	N.D.
Chlorobenzene	108-90-7	50	N.D.
Chlorodibromomethane	124-48-1	50	N.D.
Chloroethane	75-00-3	50	N.D.
2-Chloroethyl vinyl ether	110-75-8	100	N.D.
Chloroform	67-66-3	50	N.D.
Chloromethane	74-87-3	50	N.D.
1,1-Dichloroethane	75-34-3	50	N.D.
1,2-Dichloroethane	107-06-2	50	N.D.
1,1-Dichloroethene	75-35-4	50	N.D.
Trans 1,2-Dichloroethene	156-60-5	50	N.D.
1,2-Dichloropropane	78-87-5	50	N.D.
cis-1,3-Dichloropropene	10061-01-5	50	N.D.
trans-1,3-Dichloropropene	10061-02-6	50	N.D.
Ethylbenzene	100-41-4	50	N.D.
Methylene chloride	75-09-2	100	N.D.
Styrene	100-42-5	50	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.
Tetrachloroethene	127-18-4	50	N.D.
Toluene	108-88-3	50	N.D.
1,1,1-Trichloroethane	71-55-6	50	N.D.
1,1,2-Trichloroethane	79-00-5	50	N.D.
Trichloroethene	79-01-6	50	N.D.
Trichlorofluoromethane	75-69-4	100	N.D.
Vinyl acetate	108-05-4	100	N.D.
Vinyl chloride	75-01-4	50	N.D.
Total Xylenes	1330-20-7	50	N.D.
Dichlorodifluoromethane	75-71-8	50	N.D.
cis-1-2,-Dichloroethene	156-59-2	50	N.D.
2,2-Dichloropropane	594-20-7	50	N.D.
Bromochloromethane	74-97-5	50	N.D.
1,1-Dichloropropene	563-58-6	50	N.D.
Dibromomethane	74-95-3	50	N.D.
1,2-Dibromoethane	106-93-4	50	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE8-SP5
Laboratory Sample #: 97080057

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Isopropylbenzene	98-82-8	50	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	50	N.D.	
1,2,3-Trichloropropane	96-18-4	50	N.D.	
Bromobenzene	108-86-1	50	N.D.	
n-Propylbenzene	103-65-1	50	N.D.	
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	N.D.	
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	N.D.	
sec-Butylbenzene	135-98-8	50	N.D.	
4-Isopropyltoluene	99-87-6	50	69	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	N.D.	
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-3-CPA	96-12-8	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	50	N.D.	
Hexachlorobutadiene	87-68-3	50	N.D.	
Naphthalene	91-20-3	250	500	<---
1,2,3-Trichlorobenzene	87-61-6	50	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	97
Toluene-d8	103
4-Bromofluorobenzene	108

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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, OA1-RE8-SP5
Laboratory Sample Number: 97080057
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/12/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	200	240	<---
Acenaphthylene	208-96-8	200	N.D.	
Aniline	62-53-3	200	N.D.	
Anthracene	120-12-7	200	270	<---
Benzoic Acid	65-85-0	1000	N.D.	
Benzo (a) anthracene	56-55-3	200	670	<---
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	730	<---
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 ehter	7005-72-3	200	N.D.	
Chrysene	218-0109	200	1,100	<---
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.	
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.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE8-SP5
Laboratory Sample #: 97080057

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	200	670	<---
Fluorene	86-73-7	200	600	<---
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	8,000	<---
2-Methylphenol	95-48-7	200	N.D.	
4-Methylphenol	106-44-5	200	N.D.	
Naphthalene	91-20-3	200	1,900	<---
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	2,700	<---
Phenol	108-95-2	200	N.D.	
Pyrene	129-00-0	200	2,200	<---
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 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 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/05/97
Reported: 08/15/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080058	Equip Blank	N.D.
97080059	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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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

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080058
Laboratory Reference #: MWI 9424

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

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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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080058

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	101
Toluene-d8	105
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

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/13/97
Reported: 08/15/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080059

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	101
Toluene-d8	105
4-Bromofluorobenzene	99

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: 97080060
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/14/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080060

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	99
Toluene-d8	105
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: Water, Equip Blank
Laboratory Sample Number: 97080058
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/07/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080058

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/07/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080059

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/06/97
Reported: 08/15/97

Laboratory Sample Number: 97080058
Laboratory Reference #: MWI 9424

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/06/97
Reported: 08/15/97

Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/04/97
Reported: 08/15/97

Laboratory Sample Number: 97080058
Laboratory Reference #: MWI 9424

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/04/97
Received: 08/04/97
Analyzed: 08/04/97
Reported: 08/15/97

Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/05/97
Laboratory Sample No : 97070542
Laboratory Reference No : MWI 9424

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	94	101	94	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/05/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9424

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.5	2.3	100	92	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/07/97
Laboratory Sample No : 97080057
Laboratory Reference No : MWI 9424

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	29.0	97	97	0
Arsenic	0.0	10.0	11.1	12.0	111	120	8
Barium	10.0	10.0	19.0	20.0	90	100	5
Beryllium	0.00	1.00	0.99	0.93	99	93	6
Cadmium	0.00	1.00	0.88	0.92	88	92	4
Chromium (Total)	2.40	1.00	3.20	3.20	80	80	0
Chromium (VI)	0.00	1.00	0.86	0.90	86	90	5
Cobalt	0.72	1.00	1.60	1.56	88	84	3
Copper	0.90	1.00	1.70	1.70	80	80	0
Lead	0.00	10.0	8.2	8.1	82	81	1
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	9.2	9.5	92	95	3
Nickel	0.99	5.00	5.1	5.2	82	84	2
Selenium	0.0	10.0	9.1	9.0	91	90	1
Silver	0.0	5.0	4.0	4.5	80	90	12
Thallium	0.0	30.0	24.0	26.0	80	87	8
Vanadium	2.6	5.0	7.0	6.9	88	86	1
Zinc	4.6	5.0	9.1	9.2	90	92	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/07/97
Laboratory Sample No : 97080058
Laboratory Reference No : MWI 9424

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.40	83	80	4
Arsenic	0.00	1.00	1.13	1.06	113	106	6
Barium	0.000	0.100	0.095	0.089	95	89	7
Beryllium	0.00	0.100	0.104	0.097	104	97	7
Cadmium	0.00	0.100	0.094	0.092	94	92	2
Chromium (VI)	0.00	0.50	0.49	0.50	98	100	2
Chromium (Total)	0.00	0.500	0.500	0.470	100	94	6
Cobalt	0.00	0.100	0.105	0.092	105	92	13
Copper	0.000	0.100	0.084	0.080	84	80	5
Lead	0.00	1.00	0.86	0.89	86	89	3
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	1.00	0.84	0.88	84	88	5
Nickel	0.00	0.50	0.48	0.41	96	82	16
Selenium	0.00	1.00	0.94	0.96	94	96	2
Silver	0.00	0.50	0.46	0.43	92	86	7
Thallium	0.00	3.00	3.10	2.90	103	97	7
Vanadium	0.00	0.50	0.43	0.43	86	86	0
Zinc	0.000	0.100	0.105	0.099	105	99	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/12/97
Laboratory Sample No : 97070549
Laboratory Reference No : MWI 9424

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	49	96	98	2
1,1-Dichloroethene	0.0	50	50	51	100	102	2
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	50	51	100	102	2
Chlorobenzene	0.0	50	48	49	96	98	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

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/13/97
Laboratory Sample No : 97080185
Laboratory Reference No : MWI 9424

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	18	19	90	95	5
Trichloroethene	0.0	20	16	17	80	85	6
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	17	18	85	90	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9424

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	14	13	70	65	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

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 : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9424

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.38	0.42	38	42	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/07/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9424

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	29	29	58	58	0
n-Nitroso-di-n-propylamine	0.0	50	47	50	94	100	6
1,2,4-Trichlorobenzene	0.0	50	36	34	72	68	6
Acenaphthene	0.0	50	44	44	88	88	0
Pyrene	0.0	50	45	45	90	90	0
Pentachlorophenol	0.0	100	76	80	76	80	5
4-Chloro-3-Methylphenol	0.0	100	72	76	72	76	5
2-Chlorophenol	0.0	100	72	76	72	76	5
Phenol	0.0	100	27	30	27	30	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/12/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9424

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	50	51	100	102	2
1,2,4-Trichlorobenzene	0.0	50	45	46	90	92	2
Acenaphthene	0.0	50	43	43	86	86	0
Pyrene	0.0	50	43	43	86	86	0
Pentachlorophenol	0.0	100	80	80	80	80	0
4-Chloro-3-Methylphenol	0.0	100	71	69	71	69	3
2-Chlorophenol	0.0	100	75	75	75	75	0
Phenol	0.0	100	66	64	66	64	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

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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

24hr TAT on soil TRPH only
REQUIRED TAT: Standard TAT otherwise

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	McDonnell Douglas
SEND REPORT TO:	Fred Strauss	NUMBER:	1208035.01090010
ADDRESS:	250 N Madison	LOCATION:	C-6 Facility.
	Pasadena, CA 91101	ADDRESS:	19503 S Normandie
			Los Angeles CA
PHONE:	(818) 568-6582 FAX: (818) 796-5941	SAMPLED BY:	AN, 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
OA1-RE8-SP5	2	8/4/97	1605	Soil	2"x6" SS Sleeve	Ice	X	X	X	X					
Equipment Blank	7	↓	1615	Water	1 amber 1 poly 4 VOAs	none HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7	↓	1630	↓	↓	↓	X	X	X	X	X	X			
Trip Blank	2	8/4/97	—	↓	2 VOAs	HCL			X						

Total No. of Samples: 4

Method of Shipment: 1 Cooler Via Orange Coast Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/4/97 1655		
		Received For Lab By: [signature]	8/4/97 16:55

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-C6-0147302

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/06/97
Reported: 08/06/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080077	OA1-RE9-SP1	290
97080078	OA1-RE9-SP2	1,100

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

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Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE9-SP1

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080077
Laboratory Reference #: MWI 9428

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	93	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	23	<---
Cobalt	6010	80	8000	0.5	6.9	<---
Copper	6010	25	2500	0.1	8.5	<---
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	9.8	<---
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	24	<---
Zinc	6010	250	5000	0.1	42	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE9-SP2

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080078
Laboratory Reference #: MWI 9428

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	9.0	<---
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	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	40	<---

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE9-SP1
Laboratory Sample Number: 97080077
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/12/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	50	N.D.	
Bromodichloromethane	75-27-4	50	N.D.	
Bromoform	75-25-2	50	N.D.	
Bromomethane	74-83-9	50	N.D.	
Carbon Disulfide	75-15-0	100	N.D.	
Carbon tetrachloride	56-23-5	50	N.D.	
Chlorobenzene	108-90-7	50	N.D.	
Chlorodibromomethane	124-48-1	50	N.D.	
Chloroethane	75-00-3	50	N.D.	
2-Chloroethyl vinyl ether	110-75-8	100	N.D.	
Chloroform	67-66-3	50	N.D.	
Chloromethane	74-87-3	50	N.D.	
1,1-Dichloroethane	75-34-3	50	N.D.	
1,2-Dichloroethane	107-06-2	50	N.D.	
1,1-Dichloroethene	75-35-4	50	N.D.	
Trans 1,2-Dichloroethene	156-60-5	50	N.D.	
1,2-Dichloropropane	78-87-5	50	N.D.	
cis-1,3-Dichloropropene	10061-01-5	50	N.D.	
trans-1,3-Dichloropropene	10061-02-6	50	N.D.	
Ethylbenzene	100-41-4	50	N.D.	
Methylene chloride	75-09-2	100	N.D.	
Styrene	100-42-5	50	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	50	N.D.	
Tetrachloroethene	127-18-4	50	N.D.	
Toluene	108-88-3	50	N.D.	
1,1,1-Trichloroethane	71-55-6	50	N.D.	
1,1,2-Trichloroethane	79-00-5	50	N.D.	
Trichloroethene	79-01-6	50	N.D.	
Trichlorofluoromethane	75-69-4	100	N.D.	
Vinyl acetate	108-05-4	100	N.D.	
Vinyl chloride	75-01-4	50	N.D.	
Total Xylenes	1330-20-7	50	150	<---
Dichlorodifluoromethane	75-71-8	50	N.D.	
cis-1-2,-Dichloroethene	156-59-2	50	N.D.	
2,2-Dichloropropane	594-20-7	50	N.D.	
Bromochloromethane	74-97-5	50	N.D.	
1,1-Dichloropropene	563-58-6	50	N.D.	
Dibromomethane	74-95-3	50	N.D.	
1,2-Dibromoethane	106-93-4	50	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE9-SP1
Laboratory Sample #: 97080077

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Isopropylbenzene	98-82-8	50	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	50	N.D.	
1,2,3-Trichloropropane	96-18-4	50	N.D.	
Bromobenzene	108-86-1	50	N.D.	
n-Propylbenzene	103-65-1	50	N.D.	
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	330	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	970	<---
sec-Butylbenzene	135-98-8	50	N.D.	
4-Isopropyltoluene	99-87-6	50	N.D.	
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	64	<---
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-3-CPA	96-12-8	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	50	N.D.	
Hexachlorobutadiene	87-68-3	50	N.D.	
Naphthalene	91-20-3	250	2,700	<---
1,2,3-Trichlorobenzene	87-61-6	50	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	98
Toluene-d8	103
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, OA1-RE9-SP2
Laboratory Sample Number: 97080078
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	100	N.D.	
Bromodichloromethane	75-27-4	100	N.D.	
Bromoform	75-25-2	100	N.D.	
Bromomethane	74-83-9	100	N.D.	
Carbon Disulfide	75-15-0	200	N.D.	
Carbon tetrachloride	56-23-5	100	N.D.	
Chlorobenzene	108-90-7	100	N.D.	
Chlorodibromomethane	124-48-1	100	N.D.	
Chloroethane	75-00-3	100	N.D.	
2-Chloroethyl vinyl ether	110-75-8	100	N.D.	
Chloroform	67-66-3	100	N.D.	
Chloromethane	74-87-3	100	N.D.	
1,1-Dichloroethane	75-34-3	100	N.D.	
1,2-Dichloroethane	107-06-2	100	N.D.	
1,1-Dichloroethene	75-35-4	100	N.D.	
Trans 1,2-Dichloroethene	156-60-5	100	N.D.	
1,2-Dichloropropane	78-87-5	100	N.D.	
cis-1,3-Dichloropropene	10061-01-5	100	N.D.	
trans-1,3-Dichloropropene	10061-02-6	100	N.D.	
Ethylbenzene	100-41-4	100	210	<---
Methylene chloride	75-09-2	200	N.D.	
Styrene	100-42-5	100	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	100	N.D.	
Tetrachloroethene	127-18-4	100	N.D.	
Toluene	108-88-3	100	N.D.	
1,1,1-Trichloroethane	71-55-6	100	N.D.	
1,1,2-Trichloroethane	79-00-5	100	N.D.	
Trichloroethene	79-01-6	100	N.D.	
Trichlorofluoromethane	75-69-4	200	N.D.	
Vinyl acetate	108-05-4	200	N.D.	
Vinyl chloride	75-01-4	100	N.D.	
Total Xylenes	1330-20-7	100	430	<---
Dichlorodifluoromethane	75-71-8	100	N.D.	
cis-1-2,-Dichloroethene	156-59-2	100	N.D.	
2,2-Dichloropropane	594-20-7	100	N.D.	
Bromochloromethane	74-97-5	100	N.D.	
1,1-Dichloropropene	563-58-6	100	N.D.	
Dibromomethane	74-95-3	100	N.D.	
1,2-Dibromoethane	106-93-4	100	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, OA1-RE9-SP2
Laboratory Sample #: 97080078

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	100	N.D.	
Isopropylbenzene	98-82-8	100	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	100	N.D.	
1,2,3-Trichloropropane	96-18-4	100	N.D.	
Bromobenzene	108-86-1	100	N.D.	
n-Propylbenzene	103-65-1	100	220	<---
2-Chlorotoluene	95-49-8	100	N.D.	
1,3,5-Trimethylbenzene	108-67-8	100	1,300	<---
4-Chlorotoluene	106-43-4	100	N.D.	
tert-Butylbenzene	98-06-6	100	N.D.	
1,2,4-Trimethylbenzene	95-63-6	100	4,200	<---
sec-Butylbenzene	135-98-8	100	N.D.	
4-Isopropyltoluene	99-87-6	100	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
n-Butylbenzene	104-51-8	100	390	<---
1,2-Dichlorobenzene	95-50-1	100	N.D.	
1-2-Dibromo-3-CPA	96-12-8	200	N.D.	
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Naphthalene	91-20-3	100	16,000	<---
1,2,3-Trichlorobenzene	87-61-6	100	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	95
Toluene-d8	104
4-Bromofluorobenzene	96

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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, OA1-RE9-SP1
Laboratory Sample Number: 97080077
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/12/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	600	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	1,100	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	4,500	<---
Benzo (b) fluoranthene	205-99-2	1000	5,100	<---
Benzo (k) fluoranthene	207-08-9	1000	3,100	<---
Benzo (g,h,i)perylene	191-24-2	1000	3,800	<---
Benzo (a) pyrene	50-32-8	1000	6,000	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.	
Chrysene	218-0109	400	5,800	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE9-SP1
Laboratory Sample #: 97080077

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	6,600	<---
Fluorene	86-73-7	400	1,800	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	3,200	<---
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	17,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	3,900	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	8,900	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	10,000	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/12/97
Reported: 08/15/97

Sample Description: Soil, OA1-RE9-SP2
Laboratory Sample Number: 97080078
Laboratory Reference #: MWI 9428

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	940	<---
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	1,200	<---
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	1,900	<---
Benzo (b) fluoranthene	205-99-2	1000	N.D.	
Benzo (k) fluoranthene	207-08-9	1000	N.D.	
Benzo (g,h,i)perylene	191-24-2	1000	N.D.	
Benzo (a) pyrene	50-32-8	1000	2,200	<---
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	N.D.	
4-Bromophenyl phenyl ether	101-55-3	400	N.D.	
Butyl benzyl phthalate	85-68-7	400	N.D.	
4-Chloroaniline	106-47-8	400	N.D.	
2-Chloronaphthalene	91-58-7	400	N.D.	
4-Chloro-3-methylphenol	59-50-7	400	N.D.	
2-Chlorophenol	95-57-8	400	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	400	N.D.	
Chrysene	218-0109	400	3,600	<---
Dibenz(a,h)anthracene	53-70-3	400	N.D.	
Dibenzofuran	132-64-9	400	N.D.	
Di-N-butyl phthalate	84-74-2	1000	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
1,2-Dichlorobenzene	95-50-1	400	N.D.	
3,3-Dichlorobenzidine	91-94-1	400	N.D.	
2,4-Dichlorophenol	120-83-2	400	N.D.	
Diethyl phthalate	84-66-2	400	N.D.	
2,4-Dimethylphenol	105-67-9	400	N.D.	
Dimethyl phthalate	131-11-3	400	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	400	N.D.	
2,4-Dinitrophenol	51-28-5	400	N.D.	
2,4-Dinitrotoluene	121-14-2	1000	N.D.	
2,6-Dinitrotoluene	606-20-2	1000	N.D.	
Di-N-octyl phthalate	117-84-0	1000	N.D.	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE9-SP2
Laboratory Sample #: 97080078

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	890	<---
Fluorene	86-73-7	400	2,700	<---
Hexachlorobenzene	118-74-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Hexachlorocyclopentadiene	77-47-4	400	N.D.	
Hexachloroethane	67-72-1	400	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	1000	N.D.	
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	38,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	10,000	<---
2-Nitroaniline	88-74-4	1000	N.D.	
3-Nitroaniline	99-09-2	1000	N.D.	
4-Nitroaniline	100-01-6	1000	N.D.	
Nitrobenzene	98-95-3	400	N.D.	
2-Nitrophenol	88-75-5	400	N.D.	
4-Nitrophenol	100-02-7	400	N.D.	
N-Nitrosodiphenylamine	86-30-6	400	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	400	N.D.	
N-Nitrosodimethylamine	62-75-9	400	N.D.	
Pentachlorophenol	87-86-5	1000	N.D.	
Phenanthrene	85-01-8	400	12,000	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	8,200	<---
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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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 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/11/97
Reported: 08/15/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080079	Equip Blank	N.D.
97080080	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

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080079
Laboratory Reference #: MWI 9428

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
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080080
Laboratory Reference #: MWI 9428

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
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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080079
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080079

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	100
Toluene-d8	103
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: Water, Rinsate Blank
Laboratory Sample Number: 97080080
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080080

ANALYTE	CAS NUMBER	DETECTION Limit (ug/l)	SAMPLE RESULTS (ug/l)
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	103
Toluene-d8	105
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: Water, Trip Blank
Laboratory Sample Number: 97080081
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080081

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	100
Toluene-d8	103
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: Water, Equip Blank
Laboratory Sample Number: 97080079
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/11/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080079

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080080
Laboratory Reference #: MWI 9428

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/11/97
Reported: 08/15/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080080

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/12/97
Reported: 08/15/97

Laboratory Sample Number: 97080079
Laboratory Reference #: MWI 9428

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/12/97
Reported: 08/15/97

Laboratory Sample Number: 97080080
Laboratory Reference #: MWI 9428

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

Laboratory Sample Number: 97080079
Laboratory Reference #: MWI 9428

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

Laboratory Sample Number: 97080080
Laboratory Reference #: MWI 9428

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/06/97
Laboratory Sample No : 97070501
Laboratory Reference No : MWI 9428

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	103	101	103	101	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/11/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9428

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.6	2.6	104	104	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 : 08/07/97
Laboratory Sample No : 97080057
Laboratory Reference No : MWI 9428

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	29.0	97	97	0
Arsenic	0.0	10.0	11.1	12.0	111	120	8
Barium	10.0	10.0	19.0	20.0	90	100	5
Beryllium	0.00	1.00	0.99	0.93	99	93	6
Cadmium	0.00	1.00	0.88	0.92	88	92	4
Chromium (Total)	2.40	1.00	3.20	3.20	80	80	0
Chromium (VI)	0.00	1.00	0.86	0.90	86	90	5
Cobalt	0.72	1.00	1.60	1.56	88	84	3
Copper	0.90	1.00	1.70	1.70	80	80	0
Lead	0.00	10.0	8.2	8.1	82	81	1
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	9.2	9.5	92	95	3
Nickel	0.99	5.00	5.1	5.2	82	84	2
Selenium	0.0	10.0	9.1	9.0	91	90	1
Silver	0.0	5.0	4.0	4.5	80	90	12
Thallium	0.0	30.0	24.0	26.0	80	87	8
Vanadium	2.6	5.0	7.0	6.9	88	86	1
Zinc	4.6	5.0	9.1	9.2	90	92	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/07/97
Laboratory Sample No : 97080058
Laboratory Reference No : MWI 9428

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.50	2.40	83	80	4
Arsenic	0.00	1.00	1.13	1.06	113	106	6
Barium	0.000	0.100	0.095	0.089	95	89	7
Beryllium	0.00	0.100	0.104	0.097	104	97	7
Cadmium	0.00	0.100	0.094	0.092	94	92	2
Chromium (VI)	0.00	0.50	0.49	0.50	98	100	2
Chromium (Total)	0.00	0.500	0.500	0.470	100	94	6
Cobalt	0.00	0.100	0.105	0.092	105	92	13
Copper	0.000	0.100	0.084	0.080	84	80	5
Lead	0.00	1.00	0.86	0.89	86	89	3
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	1.00	0.84	0.88	84	88	5
Nickel	0.00	0.50	0.48	0.41	96	82	16
Selenium	0.00	1.00	0.94	0.96	94	96	2
Silver	0.00	0.50	0.46	0.43	92	86	7
Thallium	0.00	3.00	3.10	2.90	103	97	7
Vanadium	0.00	0.50	0.43	0.43	86	86	0
Zinc	0.000	0.100	0.105	0.099	105	99	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/13/97
Laboratory Sample No : 97080185
Laboratory Reference No : MWI 9428

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	18	19	90	95	5
Trichloroethene	0.0	20	16	17	80	85	6
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	17	18	85	90	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/12/97
Laboratory Sample No : 97070549
Laboratory Reference No : MWI 9428

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	49	96	98	2
1,1-Dichloroethene	0.0	50	50	51	100	102	2
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	50	51	100	102	2
Chlorobenzene	0.0	50	48	49	96	98	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/08/97
Laboratory Sample No : 97080107
Laboratory Reference No : MWI 9428

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	170	170	68	68	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9428

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	16	14	80	70	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/13/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9428

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.66	0.61	66	61	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
1SD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/11/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9428

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	26	25	52	50	4
n-Nitroso-di-n-propylamine	0.0	50	39	39	78	78	0
1,2,4-Trichlorobenzene	0.0	50	30	30	60	60	0
Acenaphthene	0.0	50	37	37	74	74	0
Pyrene	0.0	50	38	39	76	78	3
Pentachlorophenol	0.0	100	70	71	70	71	1
4-Chloro-3-Methylphenol	0.0	100	42	52	42	52	21
2-Chlorophenol	0.0	100	60	63	60	63	5
Phenol	0.0	100	20	23	20	23	14

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080076
Laboratory Reference No : MWI 9428

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	40	39	80	78	3
n-Nitroso-di-n-propylamine	0.0	50	50	50	100	100	0
1,2,4-Trichlorobenzene	0.0	50	44	44	88	88	0
Acenaphthene	0.0	50	43	43	86	86	0
Pyrene	0.0	50	43	42	86	84	2
Pentachlorophenol	0.0	100	78	80	78	80	3
4-Chloro-3-Methylphenol	0.0	100	76	76	76	76	0
2-Chlorophenol	0.0	100	72	71	72	71	1
Phenol	0.0	100	65	64	65	64	2

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/12/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9428

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	42	84	84	0
n-Nitroso-di-n-propylamine	0.0	50	50	51	100	102	2
1,2,4-Trichlorobenzene	0.0	50	45	46	90	92	2
Acenaphthene	0.0	50	43	43	86	86	0
Pyrene	0.0	50	43	43	86	86	0
Pentachlorophenol	0.0	100	80	80	80	80	0
4-Chloro-3-Methylphenol	0.0	100	71	69	71	69	3
2-Chlorophenol	0.0	100	75	75	75	75	0
Phenol	0.0	100	66	64	66	64	3

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080145
Laboratory Reference No : MWI 9428

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	36	39	72	78	8
n-Nitroso-di-n-propylamine	0.0	50	45	48	90	96	6
1,2,4-Trichlorobenzene	0.0	50	40	43	80	86	7
Acenaphthene	0.0	50	39	42	78	84	7
Pyrene	0.0	50	40	42	80	84	5
Pentachlorophenol	0.0	100	72	78	72	78	8
4-Chloro-3-Methylphenol	0.0	100	68	73	68	73	7
2-Chlorophenol	0.0	100	64	70	64	70	9
Phenol	0.0	100	57	62	57	62	8

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24 hr TAT on Soil TRPH only.
REQUIRED TAT: Standard TAT, Otherwise

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave.
Pasadena, CA 91101
PHONE: 818-568-6582 FAX: 818-796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie
Los Angeles, CA
SAMPLED BY: AWN, IV

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
OA1-GS-70-5'	2	8/5/97	0955	SOIL	2"x6" SS sleeve	ICE	X	X							
OA1-GS-71-12'	2		1005				X	X							
OA1-GS-72-5'	2		1010				X	X							
OA1-GS-73-4'	2		1020				X	X							
OA1-GS-74-10'	2		1030				X	X							
OA1-RE9-SP1	2		1355				X	X	X	X					
OA1-RE9-SP2	2		1400				X	X	X	X					
Equipment Blank	7		1515	WATER	Number 5 glass	none HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1550				X	X	X	X	X	X			
Trip Blank	2		—		2 VOAs	HCl			X						

Total No. of Samples: 10

Method of Shipment: 1 Cooler Via Orange Coast Lab Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/5/97 1600		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	8/5/97 16:00

Reporting Format: (check)
NORMAL _____ S.D. HMMD _____
RWQCB _____ OTHER _____

Sample Integrity: (check)
intact _____ on ice _____

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0147344

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 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/14/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080186	WL-RE1-SP1	520

Detection Limit:	8.0

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, WL-RE1-SP1

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

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	53	<---
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	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	31	<---
Zinc	6010	250	5000	0.1	40	<---

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, WL-RE1-SP1
Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	3.9	<---
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample #: 97080186

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	11	<---
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	9.8	<---
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	5.6	<---
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	98
4-Bromofluorobenzene	95

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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, WL-RE1-SP1
Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/14/97

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.
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	N.D.
Benzo (b) fluoranthene	205-99-2	250	N.D.
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	N.D.
Benzo (a) pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample #: 97080186

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9451A

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/27/97
Reported: 08/27/97

STLC ARSENIC (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97080186	WL-RE1-SP1	1.6

Detection Limit:	1.0

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mike Samici for
Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9451A

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/26/97
Reported: 08/26/97

TCLP ARSENIC (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97080186	WL-RE1-SP1	N.D.

Detection Limit:	1.0

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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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 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/15/97
Reported: 08/21/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080190	Equip Blank	N.D.
97080189	Rinsate Blank	N.D.
Detection Limit:		0.5

Analyte reported as N.D. was not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/20/97
Reported: 08/21/97

Laboratory Sample Number: 97080189
Laboratory Reference #: MWI 9451

CCR - METALS

Analyte	*EPA Method*	*Detection Limit mg/l*	*Analysis Result mg/l*
Antimony	6010	0.5	N.D.
Arsenic	6010	0.1	N.D.
Barium	6010	0.01	N.D.
Beryllium	6010	0.01	N.D.
Cadmium	6010	0.01	N.D.
Chromium (VI)	7196	0.01	N.D.
Chromium Total	6010	0.01	N.D.
Cobalt	6010	0.05	N.D.
Copper	6010	0.01	N.D.
Lead	6010	0.1	N.D.
Mercury	7471	0.002	N.D.
Molybdenum	6010	0.1	N.D.
Nickel	6010	0.05	N.D.
Selenium	6010	0.1	N.D.
Silver	6010	0.05	N.D.
Thallium	6010	0.5	N.D.
Vanadium	6010	0.1	N.D.
Zinc	6010	0.01	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/20/97
Reported: 08/21/97

Laboratory Sample Number: 97080190
Laboratory Reference #: MWI 9451

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: 97080189
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080189

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	97
Toluene-d8	106
4-Bromofluorobenzene	97

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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: 97080190
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080190

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	97
Toluene-d8	105
4-Bromofluorobenzene	99

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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: Water, Trip Blank
Laboratory Sample Number: 97080191
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	0.5	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-34-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorodifluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethene	156-59-2	0.5	N.D.
2,2-Dichloropropane	594-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080191

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1.1.2.2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-3-CPA	96-12-8	1.0	N.D.
1.2.4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	94
Toluene-d8	106
4-Bromofluorobenzene	97

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, Rinsate Blank
Laboratory Sample Number: 97080189
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/18/97
Reported: 08/21/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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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 #: 97080189

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080190
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/18/97
Reported: 08/21/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080190

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
4-Methylphenol	106-44-5	5.0	N.D.
Naphthalene	91-20-3	5.0	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	50	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

Orange Coast Analytical

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/15/97
Reported: 08/21/97

Laboratory Sample Number: 97080189
Laboratory Reference #: MWI 9451

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/15/97
Reported: 08/21/97

Laboratory Sample Number: 97080190
Laboratory Reference #: MWI 9451

ORGANOCHLORINE PESTICIDES (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
Aldrin	309-00-2	0.1	N.D.
alpha-BHC	319-84-6	0.2	N.D.
beta-BHC	319-85-7	0.2	N.D.
gamma-BHC	319-86-8	0.2	N.D.
gamma-BHC (Lindane)	58-89-9	0.2	N.D.
Chlordane	57-74-9	0.2	N.D.
4,4'-DDD	72-54-9	0.5	N.D.
4,4'-DDE	72-55-9	0.1	N.D.
4,4'-DDT	50-29-3	0.1	N.D.
Dieldrin	60-57-1	0.5	N.D.
Endosulfan I	959-98-8	0.5	N.D.
Endosulfan II	33213-65-9	0.5	N.D.
Endosulfan sulfate	1031-07-8	0.5	N.D.
Endrin	72-20-8	0.02	N.D.
Endrin aldehyde	7421-93-4	0.2	N.D.
Heptachlor	76-44-8	0.1	N.D.
Heptachlor epoxide	1024-57-3	0.2	N.D.
Methoxychlor	72-43-5	9.0	N.D.
Toxaphene	8001-35-2	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/15/97
Reported: 08/21/97

Laboratory Sample Number: 97080189
Laboratory Reference #: MWI 9451

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/15/97
Reported: 08/21/97

Laboratory Sample Number: 97080190
Laboratory Reference #: MWI 9451

PCB'S (EPA 8080)

Analyte	*CAS NUMBER*	*DETECTION LIMITS (ug/l)*	*SAMPLE RESULTS (ug/l)*
PCB-1016	12674-11-2	5.0	N.D.
PCB-1221	11104-28-2	5.0	N.D.
PCB-1232	11141-16-5	5.0	N.D.
PCB-1242	53469-21-9	5.0	N.D.
PCB-1248	12672-29-6	5.0	N.D.
PCB-1254	11097-69-1	5.0	N.D.
PCB-1260	11096-82-5	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080180
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	99	99	99	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.3	92	92	0

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Total Organic Carbon (EPA 9060)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080187
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
TOC	0.0	10.0	10.4	9.7	104	97	7

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/14/97
Laboratory Sample No : 97080186
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	29.0	30.0	97	100	3
Arsenic	5.3	10.0	15.6	15.8	103	105	1
Barium	10.0	10.0	21.0	22.0	110	120	5
Beryllium	0.00	1.00	1.02	1.04	102	104	2
Cadmium	0.00	1.00	0.97	0.98	97	98	1
Chromium (Total)	2.50	5.00	7.50	7.20	100	94	4
Chromium (VI)	0.00	1.00	0.86	0.83	86	83	4
Cobalt	0.76	1.00	1.66	1.56	90	80	6
Copper	1.10	1.00	2.08	2.06	98	96	1
Lead	0.00	10.0	8.1	8.4	81	84	4
Mercury	0.000	0.020	0.017	0.017	85	85	0
Molybdenum	0.0	10.0	9.7	10.1	97	101	4
Nickel	1.10	5.00	5.9	5.7	96	92	3
Selenium	0.0	10.0	10.0	9.7	100	97	3
Silver	0.0	5.0	4.7	4.1	94	82	14
Thallium	0.0	30.0	26.0	24.0	87	80	8
Vanadium	3.1	5.0	8.1	7.8	100	94	4
Zinc	4.0	5.0	8.7	8.8	94	96	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/20/97
Laboratory Sample No : 97080189
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.60	3.40	120	113	6
Arsenic	0.00	1.00	1.20	1.15	120	115	4
Barium	0.000	0.100	0.116	0.110	116	110	5
Beryllium	0.00	0.100	0.120	0.119	120	119	1
Cadmium	0.00	0.100	0.120	0.120	120	120	0
Chromium (VI)	0.00	0.50	0.49	0.48	98	96	2
Chromium (Total)	0.00	0.100	0.110	0.108	110	108	2
Cobalt	0.00	0.100	0.120	0.105	120	105	13
Copper	0.000	0.100	0.100	0.111	100	111	10
Lead	0.00	1.00	1.20	1.16	120	116	3
Mercury	0.000	0.020	0.022	0.021	110	105	5
Molybdenum	0.00	1.00	1.16	1.20	116	120	3
Nickel	0.00	0.50	0.58	0.60	116	120	3
Selenium	0.00	1.00	1.20	1.20	120	120	0
Silver	0.00	0.50	0.58	0.57	116	114	2
Thallium	0.00	3.00	3.60	3.50	120	117	3
Vanadium	0.00	0.50	0.56	0.52	112	104	7
Zinc	0.000	0.100	0.112	0.111	112	111	1

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080188
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	49	50	98	100	2
1,1-Dichloroethene	0.0	50	53	54	106	108	2
Trichloroethene	0.0	50	46	48	92	96	4
Toluene	0.0	50	50	52	100	104	4
Chlorobenzene	0.0	50	49	51	98	102	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080191
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	17	17	85	85	0
Trichloroethene	0.0	20	16	16	80	80	0
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	18	17	90	85	6

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/18/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9451

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	36	35	72	70	3
n-Nitroso-di-n-propylamine	0.0	50	46	43	92	86	7
1,2,4-Trichlorobenzene	0.0	50	41	41	82	82	0
Acenaphthene	0.0	50	46	43	92	86	7
Pyrene	0.0	50	49	49	98	98	0
Pentachlorophenol	0.0	100	88	77	88	77	13
4-Chloro-3-Methylphenol	0.0	100	83	75	83	75	10
2-Chlorophenol	0.0	100	78	71	78	71	9
Phenol	0.0	100	31	28	31	28	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/14/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9451

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	38	37	76	74	3
n-Nitroso-di-n-propylamine	0.0	50	46	44	92	88	4
1,2,4-Trichlorobenzene	0.0	50	42	41	84	82	2
Acenaphthene	0.0	50	40	39	80	78	3
Pyrene	0.0	50	40	40	80	80	0
Pentachlorophenol	0.0	100	72	71	72	71	1
4-Chloro-3-Methylphenol	0.0	100	76	72	76	72	5
2-Chlorophenol	0.0	100	71	70	71	70	1
Phenol	0.0	100	64	60	64	60	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

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Laboratory Director

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080108
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	170	180	68	72	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
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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	14	12	70	60	15

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/15/97
Laboratory Sample No : 97080108
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	25	16	14	64	56	13

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/15/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9451

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.0	0.48	0.53	48	53	10

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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QC DATA REPORT

Analysis : Cation Exchange Capacity (EPA 9081)

Date of Analysis : 08/14/97
Laboratory Sample No : 97080187
Laboratory Reference No : MWI 9451

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
CEC	38.4	30	69	66	102	92	4

Definition of Terms :

R1	Results Of First Analysis
SP	Spike Concentration Added to Sample
MS	Matrix Spike Results
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent Recovery Of MSD: {(MSD-R1) / SP} x 100
RPD	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2

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Analysis Request and Chain of Custody Record

Lab Job No: _____

24 hr TAT on CI-GS-1C Page 1 of 1

24 hr TAT on Composite [illegible]
24 hr TAT on WL-REL-SP1 [illegible]
REQUIRED TAT: Standard TAT [illegible]

CUSTOMER INFORMATION

COMPANY: Montgomery Watson
SEND REPORT TO: Fred Strauss
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101
PHONE: 818-568-6582 FAX: 818-796-5941

PROJECT INFORMATION

PROJECT NAME: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
SAMPLED BY: IV/AWN/CW

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	Organic Carbon Content	Cation Exchange Capacity	REMARKS/PRECAUTIONS
WL-REL-SP1	2	8/13/97	0950	SOIL	2"x6" SS Sleeve	ICE	X	X	X	X					
CI-GS-1A-1.5'	1	8/13/97	1300	↓	↓	↓									
CI-GS-1B-1.5'	1	8/13/97	1320	↓	↓	↓									
CI-GS-1C-1.5'	1	8/13/97	1345	↓	↓	↓									
CI-GS-1 COMP ~~1.5'~~ AWN													X	X	24 hr TAT
Rinsate Blank	7	8/13/97	1545	WATER	4 amber 1 Poly 2 VOAs	none HNO3 HCl	X	X	X	X	X	X			*Composite of CI-GS-1A, 1B, 24-hr. TAT
Equipment Blank	7	8/13/97	1610	↓	↓	↓	X	X	X	X	X	X			
Trip Blank	2	8/13/97	—	↓	2 VOAs	HCl ↓			X						
									↓						
															*= Composite at Lab

Total No. of Samples: 8

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Tran Vargas	8/13/97 1620		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [illegible]	Date/Time: 8/13/97 16:20

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 fr [illegible]. A disposal fee may be imposed if client fails to pickup samples.