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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Analysis Method: 418.1

Sample Description: Soil

Laboratory Reference #: MWI 8785

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-02-97
Reported: 04-02-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97040012	B37-GS-117-5'	N.D.
97040013	B37-GS-118-6.5'	N.D.
97040014	B37-GS-119-6.5'	N.D.
97040015	B37-GS-120-6.5'	N.D.
97040016	B37-GS-121-6.5'	N.D.
97040017	B37-GS-122-6.5'	N.D.
97040018	B37-GS-123-6.5'	N.D.
97040019	B37-GS-124-6.5'	N.D.
97040020	B37-GS-125-6.5'	N.D.
97040021	B37-GS-126-6.5'	N.D.
97040022	B37-GS-127-6.5'	N.D.
97040023	B37-GS-128-6.5'	N.D.
97040024	B37-GS-129-7'	N.D.
97040025	B37-GS-130-9'	N.D.
97040026	B37-GS-131-9'	N.D.
97040027	B37-RE4-SP37	88
97040028	B37-RE4-SP38	N.D.
97040029	B37-RE4-SP39	340
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP37

Laboratory Sample Number: 97040027
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-02-97
Reported: 04-15-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	140	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	32	<---
Cobalt	6010	80	8000	0.5	8.4	<---
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	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	36	<---
Zinc	6010	250	5000	0.1	53	<---

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP38

Laboratory Sample Number: 97040028
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-02-97
Reported: 04-15-97

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	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	27	<---
Cobalt	6010	80	8000	0.5	6.7	<---
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	9.6	<---
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	28	<---
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
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Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-RE4-SP39

Laboratory Sample Number: 97040029
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-02-97
Reported: 04-15-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	6.4	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	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	26	<---
Zinc	6010	250	5000	0.1	35	<---

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, B37-RE4-SP37
Laboratory Sample Number: 97040027
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (ug/kg)***
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, B37-RE4-SP37

Laboratory Sample Number: 97040027

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	*102*
Toluene-d8	*89*
4-Bromofluorobenbzene	*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: Soil, B37-RE4-SP38
Laboratory Sample Number: 97040028
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

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Sample Description: Soil, B37-RE4-SP38

Laboratory Sample Number: 97040028

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	*99*
Toluene-d8	*89*
4-Bromofluorobenbzene	*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: Soil, B37-RE4-SP39
Laboratory Sample Number: 97040029
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-10-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
.,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	8.6	<---
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	N.D.	
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.	
2,2-Dichloropropane	590-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, B37-RE4-SP39

Laboratory Sample Number: 97040029

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	4.0	<---
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	6.0	<---
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	11	<---
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	*91*
4-Bromofluorobenbzene	*103*

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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: Soil, B37-RE4-SP37
Laboratory Sample #: 97040027
Laboratory Reference #: MWI 8785

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-07-97
Reported: 04-15-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4 -Dinitro-2-methylphenol	534-52-1	100	N.D.
2 -Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, B37-RE4-SP37
Laboratory Sample #: 97040027

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	150	<---
Fluorene	86-73-7	100	N.D.	
Hexachlorobenzene	118-74-1	100	N.D.	
Hexachlorobutadiene	87-68-3	100	N.D.	
Hexachlorocyclopentadiene	77-47-4	100	N.D.	
Hexachloroethane	67-72-1	100	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.	
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	N.D.	
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	N.D.	
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	120	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

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Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-07-97
Reported: 04-15-97

Sample Description: Soil, B37-RE4-SP38
Laboratory Sample #: 97040028
Laboratory Reference #: MWI 8785

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	N.D.
Benzidine	92-87-5	500	N.D.
Benzoic Acid	65-85-0	250	N.D.
Benzo(a)anthracene	56-55-3	100	N.D.
Benzo(b)fluoranthene	205-99-2	250	N.D.
Benzo(k)fluoranthene	207-08-9	250	N.D.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
[illegible]zo(a)pyrene	50-32-8	250	N.D.
[illegible]zyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, B37-RE4-SP38
Laboratory Sample #: 97040028

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-n-octyl phthalate	117-84-0	250	N.D.
Fluoranthene	206-44-0	100	N.D.
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	N.D.
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	N.D.
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	N.D.
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	N.D.
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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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

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-07-97
Reported: 04-15-97

Sample Description: Soil, B37-RE4-SP39
Laboratory Sample #: 97040029
Laboratory Reference #: MWI 8785

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	130	<---
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	150	<---
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	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.	
zo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	180	<---
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 -Dinitro-2-methylphenol	534-52-1	100	N.D.	
2 -Dinitrophenol	51-28-5	100	N.D.	

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

Sample Description: Soil, B37-RE4-SP39
Laboratory Sample #: 97040029

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	120	<---
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	320	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	290	<---
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

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 8785

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-02-97
Reported: 04-16-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97040030	Equip Blank	N.D.
97040031	Rinstate Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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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: 97040030
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-03-97
Reported: 04-15-97

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.

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: 97040031
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-03-97
Reported: 04-15-97

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.

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: 97040030
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-10-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/l)***	***SAMPLE RESULT (ug/l)***
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97040030

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	*95*
Toluene-d8	*90*
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: Water, Rinsate Blank
Laboratory Sample Number: 97040031
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-10-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

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

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040031

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*109*
Toluene-d8	*91*
4-Bromofluorobenzene	*112*

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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: 97040032
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-12-97
Reported: 04-15-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
Benzene	71-43-2	0.5	N.D.
Bromodichloromethane	75-27-4	0.5	N.D.
Bromoform	75-25-2	0.5	N.D.
Bromomethane	74-83-9	1.0	N.D.
Carbon Disulfide	75-15-0	0.5	N.D.
Carbon tetrachloride	56-23-5	0.5	N.D.
Chlorobenzene	108-90-7	0.5	N.D.
Chlorodibromomethane	124-48-1	0.5	N.D.
Chloroethane	75-00-3	0.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	1.0	N.D.
Chloroform	67-66-3	0.5	N.D.
Chloromethane	74-87-3	0.5	N.D.
1,1-Dichloroethane	75-35-3	0.5	N.D.
1,2-Dichloroethane	107-06-2	0.5	N.D.
1,1-Dichloroethene	75-35-4	0.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	0.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	0.5	N.D.
Ethylbenzene	100-41-4	0.5	N.D.
Methylene chloride	75-09-2	2.5	N.D.
Styrene	100-42-5	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
Tetrachloroethene	127-18-4	0.5	N.D.
Toluene	108-88-3	0.5	N.D.
1,1,1-Trichloroethane	71-55-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
Trichloroethene	79-01-6	0.5	N.D.
Trichlorofluoromethane	75-69-4	0.5	N.D.
Vinyl acetate	108-05-4	1.0	N.D.
Vinyl chloride	75-01-4	0.5	N.D.
Total Xylenes	1330-20-7	1.0	N.D.
Dichlorofluoromethane	75-71-8	0.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	0.5	N.D.
2,2-Dichloropropane	590-20-7	0.5	N.D.
Bromochloromethane	74-97-5	0.5	N.D.
1,1-Dichloropropene	563-58-6	0.5	N.D.
1,2-Dichloropropane	78-87-5	0.5	N.D.
Dibromomethane	74-95-3	0.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	0.5	N.D.
1,1,2-Trichloroethane	79-00-5	0.5	N.D.
1,2-Dibromoethane	106-93-4	0.5	N.D.

ORANGE COAST ANALYTICAL, INC.
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Sample Description: Water, Trip Blank

Laboratory Sample Number: 97040032

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/l)*	*SAMPLE RESULT (ug/l)*
1,3-Dichloropropane	142-28-9	0.5	N.D.
Dibromochloromethane	124-48-1	0.5	N.D.
Isopropylbenzene	98-82-8	0.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	0.5	N.D.
1,2,3-Trichloropropane	96-18-4	0.5	N.D.
Bromobenzene	108-86-1	0.5	N.D.
n-Propylbenzene	103-65-1	0.5	N.D.
2-Chlorotoluene	95-49-8	0.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	0.5	N.D.
4-Chlorotoluene	106-43-4	0.5	N.D.
tert-Butylbenzene	98-06-6	0.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	0.5	N.D.
sec-Butylbenzene	135-98-8	0.5	N.D.
4-Isopropyltoluene	99-87-6	0.5	N.D.
1,3-Dichlorobenzene	541-73-1	0.5	N.D.
1,4-Dichlorobenzene	106-46-7	0.5	N.D.
n-Butylbenzene	104-51-8	0.5	N.D.
1,2-Dichlorobenzene	95-50-1	0.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	1.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	0.5	N.D.
Hexachlorobutadiene	87-68-3	0.5	N.D.
Naphthalene	91-20-3	0.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	0.5	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*101*
Toluene-d8	*93*
4-Bromofluorobenzene	*107*

ORANGE COAST ANALYTICAL, INC.
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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 #: 97040030
Laboratory Reference #: MWI 8785

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-04-97
Reported: 04-15-97

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.
Benzidine	92-87-5	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo(a)anthracene	56-55-3	5.0	N.D.
Benzo(b)fluoranthene	205-99-2	25	N.D.
Benzo(k)fluoranthene	207-08-9	25	N.D.
Benzo(g,h,i)perylene	191-24-2	25	N.D.
Benzo(a)pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97040030

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.
hthalene	91-20-3	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

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

ORANGE COAST ANALYTICAL

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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 #: 97040031
Laboratory Reference #: MWI 8785

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-04-97
Reported: 04-15-97

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.
Benzidine	92-87-5	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo(a)anthracene	56-55-3	5.0	N.D.
Benzo(b)fluoranthene	205-99-2	25	N.D.
Benzo(k)fluoranthene	207-08-9	25	N.D.
Benzo(g,h,i)perylene	191-24-2	25	N.D.
Benzo(a)pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97040031

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.
[illegible]thalene	91-20-3	50	N.D.
2-Nitroaniline	88-74-4	50	N.D.
3-Nitroaniline	99-09-2	50	N.D.
4-Nitroaniline	100-01-6	5.0	N.D.
Nitrobenzene	98-95-3	5.0	N.D.
2-Nitrophenol	88-75-5	5.0	N.D.
4-Nitrophenol	100-02-7	50	N.D.
N-Nitrosodiphenylamine	86-30-6	5.0	N.D.
N-Nitroso-di-N-propylamine	621-64-7	5.0	N.D.
N-Nitrosodimethylamine	62-75-9	5.0	N.D.
Pentachlorophenol	87-86-5	50	N.D.
Phenanthrene	85-01-8	5.0	N.D.
Phenol	108-95-2	5.0	N.D.
Pyrene	129-00-0	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	5.0	N.D.
2,4,5-Trichlorophenol	95-95-4	5.0	N.D.
2,4,6-Trichlorophenol	88-06-2	5.0	N.D.

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

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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: 97040030
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

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
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040031
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

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
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97040030
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

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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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97040031
Laboratory Reference #: MWI 8785

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-09-97
Reported: 04-15-97

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8785

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	0.73	0.69	73	69	6

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 04/08/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8785

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	50	45	41	90	82	9

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 04/08/97
Laboratory Sample No : 97040012
Laboratory Reference No : MWI 8785

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	49	44	98	88	11
Trichloroethene	0.0	50	50	49	100	98	2
Toluene	0.0	50	52	52	104	104	0
Chlorobenzene	0.0	50	49	50	98	100	2

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 04/09/97
Laboratory Sample No : 97040025
Laboratory Reference No : MWI 8785

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	51	51	102	102	0
1,1-Dichloroethene	0.0	50	46	46	92	92	0
Trichloroethene	0.0	50	52	52	104	104	0
Toluene	0.0	50	54	52	108	104	4
Chlorobenzene	0.0	50	52	51	104	102	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 : 04/11/97
Laboratory Sample No : 97031118
Laboratory Reference No : MWI 8785

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	17	19	85	95	11
1,1-Dichloroethene	0.0	20	15	17	75	85	13
Trichloroethene	0.0	20	17	18	85	90	6
Toluene	0.0	20	18	20.5	90	103	13
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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 04/04/97
Laboratory Sample No : 97040013
Laboratory Reference No : MWI 8785

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	52	45	104	90	14
n-Nitroso-di-n-propylamine	0.0	50	54	49	108	98	10
1,2,4-Trichlorobenzene	0.0	50	53	45	106	90	16
Acenaphthene	0.0	50	57	48	114	96	17
Pyrene	0.0	50	56	47	112	94	17
Pentachlorophenol	0.0	100	94	86	94	86	9
4-Chloro-3-Methylphenol	0.0	100	83	76	83	76	9
2-Chlorophenol	0.0	100	91	82	91	82	10
Phenol	0.0	100	84	76	84	76	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 : 04/05/97
Laboratory Sample No : 97040015
Laboratory Reference No : MWI 8785

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	39	84	78	7
n-Nitroso-di-n-propylamine	0.0	50	35	36	70	72	3
1,2,4-Trichlorobenzene	0.0	50	43	40	86	80	7
Acenaphthene	0.0	50	46	43	92	86	7
Pyrene	0.0	50	44	40	88	80	10
Pentachlorophenol	0.0	100	79	79	79	79	0
4-Chloro-3-Methylphenol	0.0	100	70	69	70	69	1
2-Chlorophenol	0.0	100	75	73	75	73	3
Phenol	0.0	100	69	67	69	67	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

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

QC DATA REPORT

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

Date of Analysis : 04/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8785

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	41	39	82	78	5
n-Nitroso-di-n-propylamine	0.0	50	45	42	90	84	7
1,2,4-Trichlorobenzene	0.0	50	40	40	80	80	0
Acenaphthene	0.0	50	47	45	94	90	4
Pyrene	0.0	50	44	45	88	90	2
Pentachlorophenol	0.0	100	82	83	82	83	1
4-Chloro-3-Methylphenol	0.0	100	70	69	70	69	1
2-Chlorophenol	0.0	100	81	79	81	79	3
Phenol	0.0	100	31	31	31	31	0

Definition of Terms :

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

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MARK NOORANI
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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 04/02/97
Laboratory Sample No : 97031103
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	88	89	88	89	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 : 04/02/97
Laboratory Sample No : 97040024
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	79	76	79	76	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 : 04/02/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.3	2.2	92	88	4

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/03/97
Laboratory Sample No : 97040030
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.000	3.400	3.300	113	110	3
Arsenic	0.00	1.000	1.190	1.110	119	111	7
Barium	0.00	0.100	0.086	0.096	86	96	11
Beryllium	0.00	0.100	0.088	0.102	88	102	15
Cadmium	0.00	0.100	0.104	0.098	104	98	6
Chromium (VI)	0.00	0.500	0.440	0.470	88	94	7
Chromium (Total)	0.00	0.100	0.095	0.104	95	104	9
Cobalt	0.00	0.100	0.120	0.112	120	112	7
Copper	0.00	0.100	0.099	0.098	99	98	1
Lead	0.00	1.000	0.890	1.030	89	103	15
Mercury	0.000	0.020	0.022	0.020	110	100	10
Molybdenum	0.00	1.000	1.140	1.180	114	118	3
Nickel	0.00	0.500	0.490	0.520	98	104	6
Selenium	0.00	1.000	1.090	1.050	109	105	4
Silver	0.00	0.500	0.510	0.510	102	102	0
Thallium	0.00	3.000	2.900	3.100	97	103	7
Vanadium	0.00	0.500	0.570	0.500	114	100	13
Zinc	0.00	0.100	0.103	0.110	103	110	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 : 04/02/97
Laboratory Sample No : 97031116
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.7	30.1	102	100	2
Arsenic	0.0	10.0	10.0	9.2	100	92	8
Barium	10.0	10.0	21.8	20.9	118	109	4
Beryllium	0.00	1.00	0.99	1.05	99	105	6
Cadmium	0.00	1.00	0.99	1.00	99	100	1
Chromium (Total)	2.2	5.0	7.6	7.3	108	102	4
Chromium (VI)	0.00	1.00	1.05	0.92	105	92	13
Cobalt	0.83	1.00	1.80	1.70	97	87	6
Copper	2.1	5.0	7.5	7.4	108	106	1
Lead	0.00	10.00	9.40	9.70	94	97	3
Mercury	0.000	0.020	0.022	0.019	110	95	15
Molybdenum	0.0	10.0	9.1	9.2	91	92	1
Nickel	1.1	5.0	5.6	5.4	90	86	4
Selenium	0.0	10.0	9.9	9.3	99	93	6
Silver	0.0	5.0	4.3	4.3	86	86	0
Thallium	0.0	30.0	25.4	27.0	85	90	6
Vanadium	2.5	5.0	7.4	7.2	98	94	3
Zinc	4.2	5.0	8.7	8.7	90	90	0

Definition of Terms :

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 04/02/97
Laboratory Sample No : 97040028
Laboratory Reference No : MWI 8785

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.2	30.7	101	102	2
Arsenic	0.0	10.0	8.2	8.4	82	84	2
Barium	9.9	10.0	18.7	19.5	88	96	4
Beryllium	0.00	1.00	1.07	1.02	107	102	5
Cadmium	0.00	1.00	0.98	0.94	98	94	4
Chromium (Total)	2.7	5.0	7.5	7.7	96	100	3
Chromium (VI)	0.00	1.00	0.89	0.98	89	98	10
Cobalt	0.67	1.00	1.60	1.57	93	90	2
Copper	1.2	1.0	2.2	2.3	100	110	4
Lead	0.00	10.00	9.00	8.90	90	89	1
Mercury	0.000	0.020	0.018	0.020	90	100	11
Molybdenum	0.0	10.0	9.5	9.6	95	96	1
Nickel	0.96	5.0	5.6	5.3	93	87	6
Selenium	0.0	10.0	10.2	9.3	102	93	9
Silver	0.0	5.0	4.9	4.9	98	98	0
Thallium	0.0	30.0	26.8	25.9	89	86	3
Vanadium	2.8	5.0	7.9	7.6	102	96	4
Zinc	4.2	5.0	8.4	8.8	84	92	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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(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

24hr TAT on soil TRPH only
REQUIRED TAT: Standard TAT otherwise.

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson.	PROJECT NAME: McDonnell Douglas C-6 facility
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N. Madison Ave. Pasadena, CA 91101	LOCATION: Bldg 37 Area
	ADDRESS: 19503 S. Normandie Ave Torrance, CA.
PHONE: (818) 568-6582 FAX: (818) 796-5941	SAMPLED BY: JAH / IV /

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
B37-GS-117-5'	2	4/01/97	8:22	Soil	2"x6" SS sleeve	Ice	X	X							
B37-GS-118-6.5'	2	4/01/97	9:50	Soil	2"x6" SS sleeve		X	X							
B37-GS-119-6.5'			10:37				X	X							
B37-GS-120-6.5'			1040				X	X							
B37-GS-121-6.5'			1045				X	X							
B37-GS-122-6.5'			1109				X	X							
B37-GS-123-6.5'			1116				X	X							
B37-GS-124-6.5'			1124				X	X							
B37-GS-125-6.5'			1125				X	X							
B37-GS-126-6.5'			1136				X	X							
B37-GS-127-6.5'			1141				X	X							
B37-GS-128-6.5'			1148				X	X							
B37-GS-129-7'			1322				X	X							
B37-GS-130-9'			1330				X	X							

Total No. of Samples: 14 (this page)

Method of Shipment: Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	4/1/97 - 16:52		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 04-01-97 4:53 PM

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0117203

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 1 of 2

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

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: McDonnell Douglas
SEND REPORT TO: Fred Strauss	NUMBER: 1206030-01090010
ADDRESS: 250 N Madison Ave. Pasadena, CA 91101	LOCATION: C-6 facility - Bldg 37
	ADDRESS: 19503 S Normandie Ave Torrance
PHONE: (818) 568-6582 FAX: (818) 796-5941	SAMPLED BY: JM/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
B37-GS-131-9'	2	4/1/97	1336	Soil	2"x6" Sleeve	ICE	X	X	-						
B37-RE4-SP37	↓	↓	1418	↓	↓	↓	X	X	X	X					
B37-RE4-SP38	↓	↓	1430	↓	↓	↓	X	X	X	X					
B37-RE4-SP39	↓	↓	1445	↓	↓	↓	X	X	X	X					
Equipment Blank	7	4/1/97	1530	Water	4 Amber 1 poly 2 vials	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: 7 (this page) - 21 total shipment
Method of Shipment: Orange Coast Courier (2 Ice chest).

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	4/1/97 - 16:52		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Angel Hartum	Date/Time: 04-01-97 4:53PM

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-C6-0117204