103-2

Boeing Realty Corporation C-6 Facility
Los Angeles, California

Stockpile and Post-Remedial Excavation Confirmation Report Parcel A, Report No. 6 Appendices

March 1998

MONTGOMERY WATSON

Appendix A

MONTGOMERY WATSON

A-1

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

QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	17	16	85	80	6

Definition of Terms :

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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

QC DATA REPORT

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

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9149

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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/05/97
Laboratory Sample No : 97050525
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	48	108	96	12

Definition of Terms :

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

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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 9149

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/05/97
Laboratory Sample No : 97060082
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	108	101	108	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 06/09/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9149

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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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 9149

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

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

CUSTOMER INFORMATION

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

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 12060035.01090010
LOCATION: Bldg. 37 Area
ADDRESS: 19503 S. Normandie, Los Angeles, CA
SAMPLED BY: AWN/IV/NM

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	THE 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-19-4'	2	6/4/97	1041	SOIL	2"x6" ss sleeve	ICE	X			X		X			
RR-GS-20-4'			1053				X			X		X			
RR-GS-21-4'			1118				X			X		X			
RR-GS-22-1.5'			1126				X	X	X	X	X	X		X	X
RR-GS-22-4'			1130				X			X		X			
RR-GS-23-4'			1143				X			X		X			
RR-GS-24-1.5'			1152				X	X	X	X	X	X		X	X
RR-GS-24-4'			1246				X			X		X			
RR-GS-25-4'			1258				X			X		X			
RR-GS-26-1.5'			1307				X			X		X			
RR-GS-26-6'			1323				X			X		X			
RR-GS-27-4'			1336				X			X		X			
RR-GS-28-4'			1353				X			X		X			
RR-GS-29-4'			1409				X			X		X			

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	6/4/97 - 1730		
		Received For Lab By:	6/4/97 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 fo osal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032036

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 only! Standard TAT otherwise

CUSTOMER INFORMATION

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

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: Bldg 37 Area
ADDRESS: 19503 S. Normandie Ave. Los Angeles, CA
SAMPLED BY: AWN/IV

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-30-4'	2	6/4/97	1428	Soil	2"x6" ss Sleeve	ICE	X			X		X			
RR-GS-31-4'	↓	↓	1443	↓	↓	↓	X			X		X			
RR-GS-32-4'	↓	↓	1500	↓	↓	↓	X			X		X			
Equipment Blank	↓	↓	1630	Water	Amber Poly 2 vials	None HNO3 HCl	X	X	X	X	X	X	X	X	
Rinsate Blank	↓	↓	1645	↓	↓	↓	X	X	X	X	X	X	X	X	
Trip Blank	↓	↓	—	↓	↓	HCl ↓		X							

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Tyson Vang	6/4/97 1730.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	6/4/97 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-C6-0032037

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 07/25/97
Sample Description: Soil,
Received: 07/25/97
Analyzed: 07/28/97
Laboratory Reference #: MWI 9388
Reported: 07/28/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070461	OA1-GS-59-5'	9.0
97070462	OA1-GS-60-6'	N.D.
97070463	OA1-GS-61-10'	N.D.
97070464	OA1-GS-62-6'	13
97070465	PL-GS-10-2.5'	10,000
97070466	OA1-RE5-SP3	260
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 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 07/29/97

DIESEL ANALYSIS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/kg)*
97070465	PL-GS-10-2.5'	4,900
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 5030/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 07/29/97

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (mg/kg) (ppm)*
97070465	PL-GS-10-2.5'	150
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, PL-GS-10-2.5'

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

Laboratory Sample Number: 97070465
Laboratory Reference #: MWI 9388

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	31	<---
Cobalt	6010	80	8000	0.5	5.9	<---
Copper	6010	25	2500	0.1	48	<---
Lead	6010	5.0	1000	1.0	6.2	<---
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	40	<---
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	470	<---

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, PL-GS-10-2.5'
Laboratory Sample Number: 97070465
Laboratory Reference #: MWI 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/29/97
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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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Soil, PL-GS-10-2.5'
Laboratory Sample #: 97070465

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	3.1	<---
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	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	90
Toluene-d8	89
4-Bromofluorobenzene	80

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, PL-GS-10-2.5'
Laboratory Sample Number: 97070465
Laboratory Reference #: MWI 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/29/97
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	400	N.D.	
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	1,000	<---
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	860	<---
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, PL-GS-10-2.5'
Laboratory Sample #: 97070465

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	580	<---
Fluorene	86-73-7	400	2,300	<---
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	12,000	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	3,000	<---
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	5,400	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	810	<---
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

Analysis Method: EPA 3550/8015m

Sample Description: Soil, PL-GS-10-2.5'
Laboratory Sample #: 97070465
Laboratory Reference #: MWI 9388

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

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015m)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	280
C 13-22	4,000
C 23 & Higher	1,400
Total	5,700

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, PL-GS-10-2.5'

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 07/29/97

Laboratory Sample Number: 97070465
Laboratory Reference #: MWI 9388

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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QC DATA REPORT

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

Date of Analysis : 07/29/97
Laboratory Sample No : 97070399
Laboratory Reference No : MWI 9388

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

Definition of Terms :

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

ORANGE COAST ANALYTICAL

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QC DATA REPORT

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

Date of Analysis : 07/28/97
Laboratory Sample No : 97070466
Laboratory Reference No : MWI 9388

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	49	52	98	104	6
1,1-Dichloroethene	0.0	50	46	49	92	98	6
Trichloroethene	1.96	50	44	47	84	90	7
Toluene	0.0	50	47	50	94	100	6
Chlorobenzene	0.0	50	48	50	96	100	4

Definition of Terms :

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

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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 9388

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

Date of Analysis : 07/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9388

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	38	86	76	12
n-Nitroso-di-n-propylamine	0.0	50	48	47	96	94	2
1,2,4-Trichlorobenzene	0.0	50	43	38	86	76	12
Acenaphthene	0.0	50	48	46	96	92	4
Pyrene	0.0	50	48	45	96	90	6
Pentachlorophenol	0.0	100	83	77	83	77	8
4-Chloro-3-Methylphenol	0.0	100	75	70	75	70	7
2-Chlorophenol	0.0	100	79	75	79	75	5
Phenol	0.0	100	28	26	28	26	7

Definition of Terms :

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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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 9388

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

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 : 08/01/97
Laboratory Sample No : 97070414
Laboratory Reference No : MWI 9388

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	40	84	80	5
n-Nitroso-di-n-propylamine	0.0	50	46	47	92	94	2
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	45	42	90	84	7
Pentachlorophenol	0.0	100	80	88	80	88	10
4-Chloro-3-Methylphenol	0.0	100	66	70	66	70	6
2-Chlorophenol	0.0	100	75	76	75	76	1
Phenol	0.0	100	67	68	67	68	1

Definition of Terms :

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9388

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	42	47	84	94	11
1,2,4-Trichlorobenzene	0.0	50	46	46	92	92	0
Acenaphthene	0.0	50	69	68	138	136	1
Pyrene	0.0	50	44	45	88	90	2
Pentachlorophenol	0.0	100	79	89	79	89	12
4-Chloro-3-Methylphenol	0.0	100	69	68	69	68	1
2-Chlorophenol	0.0	100	77	77	77	77	0
Phenol	0.0	100	72	73	72	73	1

Definition of Terms :

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 08/02/97
Laboratory Sample No : 97070462
Laboratory Reference No : MWI 9388

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	37	37	74	74	0
1,2,4-Trichlorobenzene	0.0	50	41	40	82	80	2
Acenaphthene	0.0	50	42	40	84	80	5
Pyrene	0.0	50	46	42	92	84	9
Pentachlorophenol	0.0	100	70	73	70	73	4
4-Chloro-3-Methylphenol	0.0	100	58	58	58	58	0
2-Chlorophenol	0.0	100	74	71	74	71	4
Phenol	0.0	100	64	62	64	62	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

MARK NOORANI
Laboratory Director

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

Ana s Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 2

24 hr TAT on SOIL TRPH (All [illegible])
48 hr TAT on sample PL-GS-10-2[illegible] (All [illegible])
REQUIRED TAT: 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 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	AWN/CW/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-48-12'	2	7/25/97	0830	SOIL	2"x6" SS Sleeve	ICE	X	X					
OA1-GS-49-12'	2		0855				X	X					
OA1-GS-50-12'	2		0910				X	X					
OA1-GS-51-2'	2		0945				X	X					
OA1-GS-52-3'	2		1005				X	X					
OA1-GS-53-3'	2		1025				X	X					
OA1-GS-54-2'	2		1045				X	X					
OA1-GS-55-3'	2		1105				X	X					
OA1-GS-56-3'	2		1140				X	X					
OA1-GS-57-6'	2		1250				X	X					
OA1-GS-58-10'	2		1305				X	X					
OA1-GS-59-5'	2		1340				X	X					
OA1-GS-60-6'	2		1410				X	X					
OA1-GS-61-10'	2		1435				X	X					

Total No. of Samples: 20

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam N. Vanni	7/25/97 1700 hrs		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/25/97 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-C6-0032056

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

24 hr TAT on SOIL TRPH (All Soil Samples)
48 hr TAT on Sample PL-GS-10-2.5' (All [illegible])
REQUIRED TAT: Standard TAT [illegible]

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 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	AWN/CW/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	Carbon Chain	8015 gas	8015 diesel	REMARKS/PRECAUTIONS
OA1-GS-62-6'	2	7/25/97	1450	SOIL	2"x6" SS Sleeve	ICE	X	X	X	X	X	NO	X	X	X	AWN 7/25/97
PL-GS-10-2.5'	2	↓	1455	↓	↓	↓	X	X	X	X	X		X	X	X	48 hr TAT on SAMPLE PL-GS-10-2.5'
OA1-RE5-SP3	2	↓	1615	↓	↓	↓	X	X	X	X						
Equipment Blank	9	↓	1500	WATER	Amber 1 Poly 3 VOAs	None HNO3 HCl	X	X	X	X	X	X		X	X	
Rinsate Blank	9	↓	1530	↓	↓	↓	X	X	X	X	X	X		X	X	
Trip Blank	2	↓	—	↓	2 VOAs	HCl			X							

Total No. of Samples: 20

Method of Shipment: 2 Coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam W. Nanis	7/25/97 1700hrs		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/25/97 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-C6-0032057

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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: Water, Trip Blank
Laboratory Sample #: 97070469

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	94
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: Water, Equip Blank
Laboratory Sample Number: 97070467
Laboratory Reference #: MWI 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/29/97
Reported: 08/01/97

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 #: 97070467

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: 97070468
Laboratory Reference #: MWI 9388

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/29/97
Reported: 08/01/97

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 #: 97070468

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: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 08/01/97

Laboratory Sample Number: 97070467
Laboratory Reference #: MWI 9388

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, Rinsate Blank

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 08/01/97

Laboratory Sample Number: 97070468
Laboratory Reference #: MWI 9388

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
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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: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 08/01/97

Laboratory Sample Number: 97070467
Laboratory Reference #: MWI 9388

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

Sample Description: Water, Rinsate Blank

Sampled: 07/25/97
Received: 07/25/97
Analyzed: 07/28/97
Reported: 08/01/97

Laboratory Sample Number: 97070468
Laboratory Reference #: MWI 9388

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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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/29/97
Laboratory Sample No : 97070411
Laboratory Reference No : MWI 9388

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	11.1	12.0	111	120	8
Barium	10.0	10.0	20.0	21.0	100	110	5
Beryllium	0.00	1.00	0.99	1.02	99	102	3
Cadmium	0.00	1.00	0.96	1.09	96	109	13
Chromium (Total)	2.10	5.00	6.90	7.10	96	100	3
Chromium (VI)	0.00	1.00	0.81	0.86	81	86	6
Cobalt	0.56	1.00	1.52	1.55	96	99	2
Copper	0.93	1.00	1.89	1.92	96	99	2
Lead	0.00	10.0	8.3	9.5	83	95	13
Mercury	0.000	0.020	0.018	0.019	90	95	5
Molybdenum	0.0	10.0	9.6	10.2	96	102	6
Nickel	0.80	5.00	5.3	5.5	90	94	4
Selenium	0.0	10.0	8.9	9.0	89	90	1
Silver	0.0	5.0	6.0	6.0	120	120	0
Thallium	0.0	30.0	25.0	25.0	83	83	0
Vanadium	2.4	5.0	7.4	7.6	100	104	3
Zinc	3.5	5.0	8.2	8.6	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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/29/97
Laboratory Sample No : 97070462
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	28.5	30.0	95	100	5
Arsenic	0.0	10.0	8.4	8.0	84	80	5
Barium	8.7	10.0	19.0	18.9	103	102	1
Beryllium	0.00	1.00	1.05	0.96	105	96	9
Cadmium	0.00	1.00	0.95	0.96	95	96	1
Chromium (Total)	2.00	5.00	6.60	6.50	92	90	2
Chromium (VI)	0.00	1.00	1.04	1.00	104	100	4
Cobalt	0.88	1.00	1.75	1.74	87	86	1
Copper	1.20	1.00	2.10	2.10	90	90	0
Lead	0.00	10.0	8.9	8.1	89	81	9
Mercury	0.000	0.020	0.019	0.020	95	100	5
Molybdenum	0.0	10.0	9.4	9.7	94	97	3
Nickel	1.30	5.00	5.7	5.6	88	86	2
Selenium	0.0	10.0	9.1	9.2	91	92	1
Silver	0.0	5.0	5.0	5.0	100	100	0
Thallium	0.0	30.0	25.0	25.0	83	83	0
Vanadium	2.7	5.0	8.0	7.6	106	98	5
Zinc	4.3	5.0	8.8	8.9	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 : 07/29/97
Laboratory Sample No : 97070419
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.40	2.60	80	87	8
Arsenic	0.00	1.00	1.02	1.01	102	101	1
Barium	0.000	0.100	0.098	0.086	98	86	13
Beryllium	0.00	0.100	0.098	0.103	98	103	5
Cadmium	0.00	0.100	0.109	0.107	109	107	2
Chromium (VI)	0.00	0.50	0.41	0.50	82	100	20
Chromium (Total)	0.00	0.100	0.101	0.091	101	91	10
Cobalt	0.00	0.100	0.114	0.107	114	107	6
Copper	0.000	0.100	0.098	0.103	98	103	5
Lead	0.00	1.00	0.80	0.86	80	86	7
Mercury	0.000	0.020	0.020	0.021	100	105	5
Molybdenum	0.00	1.00	0.90	0.84	90	84	7
Nickel	0.00	0.50	0.49	0.51	98	102	4
Selenium	0.00	1.00	1.02	0.99	102	99	3
Silver	0.00	0.50	0.46	0.52	92	104	12
Thallium	0.00	3.00	3.10	2.80	103	93	10
Vanadium	0.00	0.50	0.49	0.45	98	90	9
Zinc	0.000	0.100	0.083	0.080	83	80	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 : 07/28/97
Laboratory Sample No : 97070411
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	98	97	98	97	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 : 07/28/97
Laboratory Sample No : 97070415
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	100	103	100	103	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 : 07/30/97
Laboratory Sample No :OCA 100
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.5	2.5	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 : PCB 'S (EPA 8080)

Date of Analysis : 07/31/97
Laboratory Sample No : 97070461
Laboratory Reference No : MWI 9388

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 : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : 97070361
Laboratory Reference No : MWI 9388

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9388

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 9388

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 : Diesel (EPA 8015m)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	76	87	76	87	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 : Diesel (EPA 8015m)

Date of Analysis : 07/31/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9388

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	5.0	3.8	4.7	76	94	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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 07/29/97
Laboratory Sample No : 97070467
Laboratory Reference No : MWI 9388

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	250	240	260	96	104	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 07/29/97
Laboratory Sample No : 97070399
Laboratory Reference No : MWI 9388

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	16	16	80	80	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	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 : 08/01/97
Laboratory Sample No : 97070412
Laboratory Reference No : MWI 9388

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

Date of Analysis : 07/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9388

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	38	86	76	12
n-Nitroso-di-n-propylamine	0.0	50	48	47	96	94	2
1,2,4-Trichlorobenzene	0.0	50	43	38	86	76	12
Acenaphthene	0.0	50	48	46	96	92	4
Pyrene	0.0	50	48	45	96	90	6
Pentachlorophenol	0.0	100	83	77	83	77	8
4-Chloro-3-Methylphenol	0.0	100	75	70	75	70	7
2-Chlorophenol	0.0	100	79	75	79	75	5
Phenol	0.0	100	28	26	28	26	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/31/97
Laboratory Sample No : 97070528
Laboratory Reference No : MWI 9388

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

Date of Analysis : 08/01/97
Laboratory Sample No : 97070414
Laboratory Reference No : MWI 9388

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	40	84	80	5
n-Nitroso-di-n-propylamine	0.0	50	46	47	92	94	2
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	45	42	90	84	7
Pentachlorophenol	0.0	100	80	88	80	88	10
4-Chloro-3-Methylphenol	0.0	100	66	70	66	70	6
2-Chlorophenol	0.0	100	75	76	75	76	1
Phenol	0.0	100	67	68	67	68	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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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 : 07/28/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9388

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	42	47	84	94	11
1,2,4-Trichlorobenzene	0.0	50	46	46	92	92	0
Acenaphthene	0.0	50	69	68	138	136	1
Pyrene	0.0	50	44	45	88	90	2
Pentachlorophenol	0.0	100	79	89	79	89	12
4-Chloro-3-Methylphenol	0.0	100	69	68	69	68	1
2-Chlorophenol	0.0	100	77	77	77	77	0
Phenol	0.0	100	72	73	72	73	1

Definition of Terms :

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 08/02/97
Laboratory Sample No : 97070462
Laboratory Reference No : MWI 9388

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	37	37	74	74	0
1,2,4-Trichlorobenzene	0.0	50	41	40	82	80	2
Acenaphthene	0.0	50	42	40	84	80	5
Pyrene	0.0	50	46	42	92	84	9
Pentachlorophenol	0.0	100	70	73	70	73	4
4-Chloro-3-Methylphenol	0.0	100	58	58	58	58	0
2-Chlorophenol	0.0	100	74	71	74	71	4
Phenol	0.0	100	64	62	64	62	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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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

24 hr TAT on SOIL TRPH (All [illegible]
48 hr TAT on sample PL-45-10-[illegible])
REQUIRED TAT: 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 Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	AWN/CW/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-48-12'	2	7/25/97	0830	SOIL	2"x6" SS Sleeve	ICE	X	X					
OA1-GS-49-12'	2		0855				X	X					
OA1-GS-50-12'	2		0910				X	X					
OA1-GS-51-2'	2		0945				X	X					
OA1-GS-52-3'	2		1005				X	X					
OA1-GS-53-3'	2		1025				X	X					
OA1-GS-54-2'	2		1045				X	X					
OA1-GS-55-3'	2		1105				X	X					
OA1-GS-56-3'	2		1140				X	X					
OA1-GS-57-6'	2		1250				X	X					
OA1-GS-58-10'	2		1305				X	X					
OA1-GS-59-5'	2		1340				X	X					
OA1-GS-60-6'	2		1410				X	X					
OA1-GS-61-10'	2		1435				X	X					

Total No. of Samples: 20

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam N. Vamos	7/25/97 1700 hrs		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/25/97 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-C6-0032087

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

24 hr TAT on SOIL TRPH (All soil samples)
48hr TAT on Sample PL-GS-10-2.5' (All [illegible])
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: 12060035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave.
Los Angeles, CA
SAMPLED BY: AWN/CW/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	Carbon Chain	8015 gas	8015 diesel	REMARKS/PRECAUTIONS
OA1-GS-62-6'	2	7/25/97	1450	SOIL	2"x6" SS Sleeve	ICE	X	X	X	X	X	NO	X	X	X	~~AWN 7/25/97~~
PL-GS-10-2.5'	2	↓	1455	↓	↓	↓	X	X	X	X	X		X	X	X	48 hr TAT on sample PL-GS-10-2.5'
OA1-RE5-SP3	2	↓	1615	↓	↓	↓	X	X	X	X						
Equipment Blank	9	↓	1500	WATER	Sanber 1 Poly 3 VOAs	None HNO3 HCl	X	X	X	X	X	X		X	X	
Rinsate Blank	9	↓	1530	↓	↓	↓	X	X	X	X	X	X		X	X	
Trip Blank	2	↓	—	↓	2 VOAs	HCl ↓			X							

Total No. of Samples: 20

Method of Shipment: 2 coolers via Orange Coast courier

Relinquished By: Adam Nunez Date/Time: 7/25/97 1700hrs

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: 7/25/97 17:00

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-C6-0032088

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 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)*
97070529	OA1-RE6-SP2	5,900
97070530	OA1-RE7-SP1	650
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

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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-RE7-SP1

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

Laboratory Sample Number: 97070530
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	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	26	<---
Cobalt	6010	80	8000	0.5	6.5	<---
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	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	70	<---

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***

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 07/31/97
Reported: 08/05/97

Sample Description: Soil, OA1-RE7-SP1
Laboratory Sample Number: 97070530
Laboratory Reference #: MWI 9403

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	190	<---
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-RE7-SP1
Laboratory Sample #: 97070530

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	66	<---
sec-Butylbenzene	135-98-8	50	190	<---
4-Isopropyltoluene	99-87-6	50	190	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	250	<---
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	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	94
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: Soil, OA1-RE7-SP1
Laboratory Sample Number: 97070530
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	200	N.D.	
Acenaphthylene	208-96-8	200	N.D.	
Aniline	62-53-3	200	N.D.	
Anthracene	120-12-7	200	220	<---
Benzoic Acid	65-85-0	1000	N.D.	
Benzo (a) anthracene	56-55-3	200	300	<---
Benzo (b) fluoranthene	205-99-2	500	N.D.	
Benzo (k) fluoranthene	207-08-9	500	N.D.	
Benzo (g,h,i)perylene	191-24-2	500	N.D.	
Benzo (a) pyrene	50-32-8	500	N.D.	
Benzyl alcohol	100-51-6	200	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	200	N.D.	
Bis(2-chloroethyl)ether	111-44-4	200	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	200	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	200	600	<---
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	520	<---
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-RE7-SP1
Laboratory Sample #: 97070530

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	200	370	<---
Fluorene	86-73-7	200	N.D.	
Hexachlorobenzene	118-74-1	200	N.D.	
Hexachlorobutadiene	87-68-3	200	N.D.	
Hexachlorocyclopentadiene	77-47-4	200	N.D.	
Hexachloroethane	67-72-1	200	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	500	N.D.	
Isophorone	78-59-1	200	N.D.	
2-Methylnaphthalene	91-57-6	200	2,500	<---
2-Methylphenol	95-48-7	200	N.D.	
4-Methylphenol	106-44-5	200	N.D.	
Naphthalene	91-20-3	200	620	<---
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	1,200	<---
Phenol	108-95-2	200	N.D.	
Pyrene	129-00-0	200	1,200	<---
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

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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 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.

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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.

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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

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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

Sampled: 07/29/97
Received: 07/29/97
Analyzed: 08/01/97
Reported: 08/05/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070533
Laboratory Reference #: MWI 9403

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
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: 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
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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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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: 08/01/97
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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

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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

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 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

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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

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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

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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

PREFERRED TAT: Standard TAT

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	# CONTAINERS	DATE	TIME	MATRIX	CONTAINER	PRESERVATIVE	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 11x6" cs 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 2 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 for disposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032123

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

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 07/31/97

Sample Description: Soil,

***Laboratory Reference #*:** MWI 9408

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070547	OA1-RE7-SP2	4,900
97070548	OA1-RE7-SP3	4,400
97070549	OA1-RE7-SP4	260
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-RE7-SP2

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 08/13/97

Laboratory Sample Number: 97070547
Laboratory Reference #: MWI 9408

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	30	<---
Cobalt	6010	80	8000	0.5	9.3	<---
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	33	<---
Zinc	6010	250	5000	0.1	61	<---

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-RE7-SP3

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 08/13/97

Laboratory Sample Number: 97070548
Laboratory Reference #: MWI 9408

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	58	<---
Cobalt	6010	80	8000	0.5	7.6	<---
Copper	6010	25	2500	0.1	19	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	91	<---

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-RE7-SP4

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 08/13/97

Laboratory Sample Number: 97070549
Laboratory Reference #: MWI 9408

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	27	<---
Cobalt	6010	80	8000	0.5	7.0	<---
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	27	<---
Zinc	6010	250	5000	0.1	79	<---

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-RE7-SP2
Laboratory Sample Number: 97070547
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/07/97
Reported: 08/13/97

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	300	<---
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	1300	<---
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-RE7-SP2
Laboratory Sample #: 97070547

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	320	<---
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	510	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	680	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	320	<---
1,2,4-Trimethylbenzene	95-63-6	50	2,500	<---
sec-Butylbenzene	135-98-8	50	380	<---
4-Isopropyltoluene	99-87-6	50	460	<---
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	2,300	<---
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	99
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-RE7-SP3
Laboratory Sample Number: 97070548
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/07/97
Reported: 08/13/97

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	79	<---
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	210	<---
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-RE7-SP3
Laboratory Sample #: 97070548

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	150	<---
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	240	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	250	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	140	<---
1,2,4-Trimethylbenzene	95-63-6	50	1,100	<---
sec-Butylbenzene	135-98-8	50	230	<---
4-Isopropyltoluene	99-87-6	50	290	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	290	<---
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	1,500	<---
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	101
Toluene-d8	97
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-RE7-SP4
Laboratory Sample Number: 97070549
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/12/97
Reported: 08/13/97

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	2.5	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-RE7-SP4
Laboratory Sample #: 97070549

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	98
Toluene-d8	102
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: Soil, OA1-RE7-SP2
Laboratory Sample Number: 97070547
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	400	N.D.	
Acenaphthylene	208-96-8	400	N.D.	
Aniline	62-53-3	400	N.D.	
Anthracene	120-12-7	400	N.D.	
Benzoic Acid	65-85-0	2000	N.D.	
Benzo (a) anthracene	56-55-3	400	N.D.	
Benzo (b) fluoranthene	205-99-2	1000	N.D.	
Benzo (k) fluoranthene	207-08-9	1000	N.D.	
Benzo (g,h,i)perylene	191-24-2	1000	N.D.	
Benzo (a) pyrene	50-32-8	1000	N.D.	
Benzyl alcohol	100-51-6	400	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.	
Bis(2-chloroethyl)ether	111-44-4	400	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	400	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	550	<---
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-RE7-SP2
Laboratory Sample #: 97070547

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	N.D.	
Fluorene	86-73-7	400	1,400	<---
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	N.D.	
Isophorone	78-59-1	400	N.D.	
2-Methylnaphthalene	91-57-6	400	8,700	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	3,100	<---
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	3,500	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	N.D.	
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
2,4,5-Trichlorophenol	95-95-4	400	N.D.	
2,4,6-Trichlorophenol	88-06-2	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE7-SP3
Laboratory Sample Number: 97070548
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	400	N.D.
Acenaphthylene	208-96-8	400	N.D.
Aniline	62-53-3	400	N.D.
Anthracene	120-12-7	400	N.D.
Benzoic Acid	65-85-0	2000	N.D.
Benzo (a) anthracene	56-55-3	400	N.D.
Benzo (b) fluoranthene	205-99-2	1000	N.D.
Benzo (k) fluoranthene	207-08-9	1000	N.D.
Benzo (g,h,i)perylene	191-24-2	1000	N.D.
Benzo (a) pyrene	50-32-8	1000	N.D.
Benzyl alcohol	100-51-6	400	N.D.
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.
Bis(2-chloroethyl)ether	111-44-4	400	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	400	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.

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

Sample Description: Soil, OA1-RE7-SP3
Laboratory Sample #: 97070548

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	400	N.D.	
Fluorene	86-73-7	400	920	<---
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	5,400	<---
2-Methylphenol	95-48-7	400	N.D.	
4-Methylphenol	106-44-5	400	N.D.	
Naphthalene	91-20-3	400	1,800	<---
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	2,700	<---
Phenol	108-95-2	400	N.D.	
Pyrene	129-00-0	400	480	<---
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-RE7-SP4
Laboratory Sample Number: 97070549
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

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	170	<---
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	580	<---
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-RE7-SP4
Laboratory Sample #: 97070549

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	100	430	<---
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	270	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	550	<---
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-RE7-SP2

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/08/97
Reported: 08/13/97

Laboratory Sample Number: 97070547
Laboratory Reference #: MWI 9408

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 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/05/97
Reported: 08/13/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070550	Equip Blank	N.D.
97070551	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: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 08/13/97

Laboratory Sample Number: 97070550
Laboratory Reference #: MWI 9408

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: 07/30/97
Received: 07/30/97
Analyzed: 07/31/97
Reported: 08/13/97

Laboratory Sample Number: 97070551
Laboratory Reference #: MWI 9408

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: 97070550
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/01/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070550

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	95
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, Rinsate Blank
Laboratory Sample Number: 97070551
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/01/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070551

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	95
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: 97070552
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/01/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070552

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	94
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, Equip Blank
Laboratory Sample Number: 97070550
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	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 #: 97070550

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: 97070551
Laboratory Reference #: MWI 9408

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	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, Rinstate Blank
Laboratory Sample #: 97070551

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: 07/30/97
Received: 07/30/97
Analyzed: 08/01/97
Reported: 08/13/97

Laboratory Sample Number: 97070550
Laboratory Reference #: MWI 9408

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: 07/30/97
Received: 07/30/97
Analyzed: 08/01/97
Reported: 08/13/97

Laboratory Sample Number: 97070551
Laboratory Reference #: MWI 9408

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: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

Laboratory Sample Number: 97070550
Laboratory Reference #: MWI 9408

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, Rinsate Blank

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/04/97
Reported: 08/13/97

Laboratory Sample Number: 97070551
Laboratory Reference #: MWI 9408

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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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 07/31/97
Laboratory Sample No : 97070500
Laboratory Reference No : MWI 9408

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	100	99	100	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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/05/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9408

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/31/97
Laboratory Sample No : 97070510
Laboratory Reference No : MWI 9408

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 9408

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

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QC DATA REPORT

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

Date of Analysis : 08/07/97
Laboratory Sample No : 97070547
Laboratory Reference No : MWI 9408

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	50	44	100	88	13
Trichloroethene	0.00	50	42	43	84	86	2
Toluene	0.0	50	47	46	94	92	2
Chlorobenzene	0.0	50	46	45	92	90	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 : 08/01/97
Laboratory Sample No : 97070552
Laboratory Reference No : MWI 9408

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	19	20	95	100	5
1,1-Dichloroethene	0.0	20	16	17	80	85	6
Trichloroethene	0.0	20	17	18	85	90	6
Toluene	0.0	20	19	20	95	100	5
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 9408

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

Date of Analysis : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9408

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	26	26	52	52	0
n-Nitroso-di-n-propylamine	0.0	50	30	35	60	70	15
1,2,4-Trichlorobenzene	0.0	50	28	27	56	54	4
Acenaphthene	0.0	50	39	38	78	76	3
Pyrene	0.0	50	45	42	90	84	7
Pentachlorophenol	0.0	100	71	77	71	77	8
4-Chloro-3-Methylphenol	0.0	100	35	45	35	45	25
2-Chlorophenol	0.0	100	66	70	66	70	6
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 : 08/04/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9408

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	43	45	86	90	5
1,2,4-Trichlorobenzene	0.0	50	45	44	90	88	2
Acenaphthene	0.0	50	45	44	90	88	2
Pyrene	0.0	50	39	39	78	78	0
Pentachlorophenol	0.0	100	70	73	70	73	4
4-Chloro-3-Methylphenol	0.0	100	54	58	54	58	7
2-Chlorophenol	0.0	100	76	77	76	77	1
Phenol	0.0	100	59	62	59	62	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 : 08/08/97
Laboratory Sample No : 97080107
Laboratory Reference No : MWI 9408

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 : 08/01/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9408

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9408

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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Analy. Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

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

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: McDonnell Douglas
SEND REPORT TO: Fred Strauss.	NUMBER: 1206035.01090010
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: Ivan

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-RET-SP2	2	7/30/97	1345	Soil	2"x6" ss sleeve	Ice	X	X	X	X					
OA1-RET-SP3	2	↓	1350	↓	↓	↓	X	X	X	X					
OA1-RET-SP4	2	↓	1430	↓	↓	↓	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: 6

Method of Shipment: 1 Cooler via Orange Coast Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/30/97 1500		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/30/97 3:50

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-C6-0032170

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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 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/01/97
Reported: 08/01/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070574	OA1-RE7-SP5	3,500
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

Sample Description: Soil, OA1-RE7-SP5

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/07/97
Reported: 08/13/97

Laboratory Sample Number: 97070574
Laboratory Reference #: MWI 9413

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	44	<---
Cobalt	6010	80	8000	0.5	6.4	<---
Copper	6010	25	2500	0.1	60	<---
Lead	6010	5.0	1000	1.0	14	<---
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	25	<---
Zinc	6010	250	5000	0.1	210	<---

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-RE7-SP5
Laboratory Sample Number: 97070574
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/07/97
Reported: 08/13/97

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	400	<---
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	97	<---
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-RE7-SP5
Laboratory Sample #: 97070574

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	66	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	160	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	310	<---
sec-Butylbenzene	135-98-8	50	72	<---
4-Isopropyltoluene	99-87-6	50	89	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	89	<---
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	350	<---
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	100
Toluene-d8	97
4-Bromofluorobenzene	100

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-RE7-SP5
Laboratory Sample Number: 97070574
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/12/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	1600	N.D.
Acenaphthylene	208-96-8	1600	N.D.
Aniline	62-53-3	1600	N.D.
Anthracene	120-12-7	1600	N.D.
Benzoic Acid	65-85-0	8000	N.D.
Benzo (a) anthracene	56-55-3	1600	N.D.
Benzo (b) fluoranthene	205-99-2	4000	N.D.
Benzo (k) fluoranthene	207-08-9	4000	N.D.
Benzo (g,h,i)perylene	191-24-2	4000	N.D.
Benzo (a) pyrene	50-32-8	4000	N.D.
Benzyl alcohol	100-51-6	1600	N.D.
Bis(2-chloroethoxy)methane	111-91-1	1600	N.D.
Bis(2-chloroethyl)ether	111-44-4	1600	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	1600	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	1600	N.D.
4-Bromophenyl phenyl ether	101-55-3	1600	N.D.
Butyl benzyl phthalate	85-68-7	1600	N.D.
4-Chloroaniline	106-47-8	1600	N.D.
2-Chloronaphthalene	91-58-7	1600	N.D.
4-Chloro-3-methylphenol	59-50-7	1600	N.D.
2-Chlorophenol	95-57-8	1600	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	1600	N.D.
Chrysene	218-0109	1600	N.D.
Dibenz(a,h)anthracene	53-70-3	1600	N.D.
Dibenzofuran	132-64-9	1600	N.D.
Di-N-butyl phthalate	84-74-2	4000	N.D.
1,3-Dichlorobenzene	541-73-1	1600	N.D.
1,4-Dichlorobenzene	106-46-7	1600	N.D.
1,2-Dichlorobenzene	95-50-1	1600	N.D.
3,3-Dichlorobenzidine	91-94-1	1600	N.D.
2,4-Dichlorophenol	120-83-2	1600	N.D.
Diethyl phthalate	84-66-2	1600	N.D.
2,4-Dimethylphenol	105-67-9	1600	N.D.
Dimethyl phthalate	131-11-3	1600	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	1600	N.D.
2,4-Dinitrophenol	51-28-5	1600	N.D.
2,4-Dinitrotoluene	121-14-2	4000	N.D.
2,6-Dinitrotoluene	606-20-2	4000	N.D.
Di-N-octyl phthalate	117-84-0	4000	N.D.

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

Sample Description: Soil, OA1-RE7-SP5
Laboratory Sample #: 97070574

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	1600	N.D.
Fluorene	86-73-7	1600	N.D.
Hexachlorobenzene	118-74-1	1600	N.D.
Hexachlorobutadiene	87-68-3	1600	N.D.
Hexachlorocyclopentadiene	77-47-4	1600	N.D.
Hexachloroethane	67-72-1	1600	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	4000	N.D.
Isophorone	78-59-1	1600	N.D.
2-Methylnaphthalene	91-57-6	1600	1,700 <---
2-Methylphenol	95-48-7	1600	N.D.
4-Methylphenol	106-44-5	1600	N.D.
Naphthalene	91-20-3	1600	N.D.
2-Nitroaniline	88-74-4	4000	N.D.
3-Nitroaniline	99-09-2	4000	N.D.
4-Nitroaniline	100-01-6	4000	N.D.
Nitrobenzene	98-95-3	1600	N.D.
2-Nitrophenol	88-75-5	1600	N.D.
4-Nitrophenol	100-02-7	1600	N.D.
N-Nitrosodiphenylamine	86-30-6	1600	N.D.
N-Nitroso-di-N-propylamine	621-64-7	1600	N.D.
N-Nitrosodimethylamine	62-75-9	1600	N.D.
Pentachlorophenol	87-86-5	4000	N.D.
Phenanthrene	85-01-8	1600	N.D.
Phenol	108-95-2	1600	N.D.
Pyrene	129-00-0	1600	N.D.
1,2,4-Trichlorobenzene	120-82-1	1600	N.D.
2,4,5-Trichlorophenol	95-95-4	1600	N.D.
2,4,6-Trichlorophenol	88-06-2	1600	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 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/05/97
Reported: 08/13/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070575	Equip Blank	N.D.
97070576	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: 07/31/97
Received: 07/31/97
Analyzed: 08/07/97
Reported: 08/13/97

Laboratory Sample Number: 97070575
Laboratory Reference #: MWI 9413

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: 07/31/97
Received: 07/31/97
Analyzed: 08/07/97
Reported: 08/13/97

Laboratory Sample Number: 97070576
Laboratory Reference #: MWI 9413

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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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070575
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070575

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	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: 97070576
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97070576

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	95
4-Bromofluorobenzene	94

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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: 97070577
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070577

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	96
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, Equip Blank
Laboratory Sample Number: 97070575
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	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 #: 97070575

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: 97070576
Laboratory Reference #: MWI 9413

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/l)***	***SAMPLE RESULTS (ug/l)***
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo (a) anthracene	56-55-3	5.0	N.D.
Benzo (b) fluoranthene	205-99-2	25	N.D.
Benzo (k) fluoranthene	207-08-9	25	N.D.
Benzo (g,h,i)perylene	191-24-2	25	N.D.
Benzo (a) pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	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 #: 97070576

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: 07/31/97
Received: 07/31/97
Analyzed: 08/01/97
Reported: 08/13/97

Laboratory Sample Number: 97070575
Laboratory Reference #: MWI 9413

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: 07/31/97
Received: 07/31/97
Analyzed: 08/01/97
Reported: 08/13/97

Laboratory Sample Number: 97070576
Laboratory Reference #: MWI 9413

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: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

Laboratory Sample Number: 97070575
Laboratory Reference #: MWI 9413

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, Rinsate Blank

Sampled: 07/31/97
Received: 07/31/97
Analyzed: 08/04/97
Reported: 08/13/97

Laboratory Sample Number: 97070576
Laboratory Reference #: MWI 9413

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

QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/01/97
Laboratory Sample No : 97070501
Laboratory Reference No : MWI 9413

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	99	101	99	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 : 08/05/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9413

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 : 97080058
Laboratory Reference No : MWI 9413

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 : Metals

Date of Analysis : 08/07/97
Laboratory Sample No : 97080057
Laboratory Reference No : MWI 9413

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/07/97
Laboratory Sample No : 97070547
Laboratory Reference No : MWI 9413

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	50	44	100	88	13
Trichloroethene	0.00	50	42	43	84	86	2
Toluene	0.0	50	47	46	94	92	2
Chlorobenzene	0.0	50	46	45	92	90	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 : 08/04/97
Laboratory Sample No : 97070577
Laboratory Reference No : MWI 9413

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	22	20	110	100	10
1,1-Dichloroethene	0.0	20	20	18	100	90	11
Trichloroethene	0.0	20	21	19	105	95	10
Toluene	0.0	20	22	20	110	100	10
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

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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 9413

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9413

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 : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9413

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	26	26	52	52	0
n-Nitroso-di-n-propylamine	0.0	50	30	35	60	70	15
1,2,4-Trichlorobenzene	0.0	50	28	27	56	54	4
Acenaphthene	0.0	50	39	38	78	76	3
Pyrene	0.0	50	45	42	90	84	7
Pentachlorophenol	0.0	100	71	77	71	77	8
4-Chloro-3-Methylphenol	0.0	100	35	45	35	45	25
2-Chlorophenol	0.0	100	66	70	66	70	6
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

ORANGE COAST ANALYTICAL

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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 9413

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

Mark Noorani

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Laboratory Director

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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 1 of 1

REQUIRED TAT: 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: Mc Donnell Douglas
NUMBER: 1206035.01090010
LOCATION: C-6 Facility
ADDRESS: 19503 S Normandie
Los Angeles, CA
SAMPLED BY: IV / AN.

SAMPLE ID	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Size/Type	Preservative	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
OAI-RET-SP5	2	7/31/97	1605	Soil	2"x6" Ss Sleeve	Ice	X	X	X	X			
EQUIPMENT BLANK	7		1615	Water	1 Amber 1 Poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X	
RINSATE BLANK	7		1630				X	X	X	X	X	X	
Trip Blank	2				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:
Ivon Vargas	7/31/97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/31/97 1640

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0032204

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,
Laboratory Reference #: MWI 9408A

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/18/97
Reported: 08/19/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070548	OA1-RE7-SP3	0.56

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

Sample Description: Soil,
Laboratory Reference #: MWI 9408A

Sampled: 07/30/97
Received: 07/30/97
Analyzed: 08/18/97
Reported: 08/19/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97070548	OA1-RE7-SP3	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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QC DATA REPORT

Analysis : EPA 6010

Date of Analysis : 08/18/97
Laboratory Sample No : 97070548
Laboratory Reference No : MWI 9408A

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium (STLC)	0.56	1.0	1.49	1.53	93	97	3
Chromium (TCLP)	0.0	1.0	1.05	1.11	105	111	6

Definition of Terms :

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

F A X

MONTGOMERY WATSON

250 N. Madison Avenue
Pasadena, California 91101

Tel: 818 568 6334
Fax: 818 796 5941

Date: 8/14/97

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 for chromium (total) on the following sample on RUSH turn-around time:

OA1-RE7-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.

TOTAL P.01

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 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-04-97
Reported: 06-04-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97060077	RR-GS-13-4'	N.D.
97060078	RR-GS-13-9'	N.D.
97060079	RR-GS-14-8'	N.D.
97060080	RR-GS-15-8'	N.D.
97060081	RR-GS-16-4'	N.D.
97060082	RR-GS-16-7'	N.D.
97060083	RR-GS-17-6'	N.D.
97060084	RR-GS-18-8'	N.D.
97060085	PL-GS-1-2.5'	16,000
97060086	PL-GS-2-2.5'	15,000
97060087	PL-GS-3-3'	18,000
Detection Limit:		8.0

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: Soil, RR-GS-18-8'

Laboratory Sample Number: 97060084
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-04-97
Reported: 06-13-97

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	190	<---
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	46	<---
Cobalt	6010	80	8000	0.5	9.2	<---
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	43	<---
Zinc	6010	250	5000	0.1	63	<---

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-18-8'
Laboratory Sample Number: 97060084
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-09-97
Reported: 06-13-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (ug/kg)***	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-35-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	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	10	<---
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, RR-GS-18-8'

Laboratory Sample Number: 97060084

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	3.3	<---
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.	

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

ORANGE COAST ANALYTICAL

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Surrogate Recoveries	*%*
Dibromofluoromethane	*103*
Toluene-d8	*96*
4-Bromofluorobenbzene	*103*

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

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

Sample Description: Soil, RR-GS-18-8'
Laboratory Sample #: 97060084
Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-05-97
Reported: 06-13-97

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.
enzo(g,h,i)perylene	191-24-2	250	N.D.
enzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
.6-Dinitro-2-methylphenol	534-52-1	100	N.D.
,4-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, RR-GS-18-8'
Laboratory Sample #: 97060084

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

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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-18-8'
Laboratory Sample #: 97060084
Laboratory Reference #: MWI 9144

Sampled: 06/03/97
Recevied: 06/03/97
Analyzed: 06/06/97
Reported: 06/13/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	0.6
C 13-22	9.1
C 23 & Higher	14
Total	24
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
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Pasadena, CA 91101

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

Sample Description: Soil, RR-GS-18-8'

Laboratory Sample Number: 97060084
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-05-97
Reported: 06-13-97

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

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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 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-09-97
Reported: 06-13-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/l)*
97060088	Equip Blank	N.D.
97060089	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 Avenue
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3510/8015m

Sample Description: Water

Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-13-97

DIESEL ANALYSIS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97060088	Equip Blank	N.D.
97060089	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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ATTN: Mr. Fred Strauss
250 N. Madison Avenue
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method:

Sample Description: Water

Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (ug/l) (ppb)*
97060088	Equip Blank	N.D.
97060089	Rinsate Blank	N.D.
Detection Limit:		50

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97060088
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-04-97
Reported: 06-13-97

CCR - METALS

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97060089
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-04-97
Reported: 06-13-97

CCR - METALS

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

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

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

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

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97060088
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

Volatile Organics by GC/MS (EPA 8260)

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

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

Sample Description: Water, Equip Blank

Laboratory Sample Number: 97060088

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	*101*
4-Bromofluorobenzene	*101*

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: 97060089
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

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: 97060089

Volatile Organics by GC/MS (EPA 8260)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*99*
Toluene-d8	*98*
4-Bromofluorobenzene	*100*

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: 97060090
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

Volatile Organics by GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank

Laboratory Sample Number: 97060090

Volatile Organics by GC/MS (EPA 8260)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*103*
Toluene-d8	*98*
4-Bromofluorobenzene	*100*

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 #: 97060088
Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
Benzidine	92-87-5	5.0	N.D.
Benzoic Acid	65-85-0	50	N.D.
Benzo(a)anthracene	56-55-3	5.0	N.D.
Benzo(b)fluoranthene	205-99-2	25	N.D.
Benzo(k)fluoranthene	207-08-9	25	N.D.
Benzo(g,h,i)perylene	191-24-2	25	N.D.
Benzo(a)pyrene	50-32-8	25	N.D.
Benzyl alcohol	100-51-6	50	N.D.
Bis(2-chloroethoxy)methane	111-91-1	5.0	N.D.
Bis(2-chloroethyl)ether	111-44-4	5.0	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	5.0	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	3.0	N.D.
4-Bromophenyl phenyl ether	101-55-3	5.0	N.D.
Butyl benzyl phthalate	85-68-7	5.0	N.D.
4-Chloroaniline	106-47-8	5.0	N.D.
2-Chloronaphthalene	91-58-7	5.0	N.D.
4-Chloro-3-methylphenol	59-50-7	5.0	N.D.
2-Chlorophenol	95-57-8	5.0	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	5.0	N.D.
Chrysene	218-0109	5.0	N.D.
Dibenz(a,h)anthracene	53-70-3	25	N.D.
Dibenzofuran	132-64-9	5.0	N.D.
Di-N-butyl phthalate	84-74-2	5.0	N.D.
1,3-Dichlorobenzene	541-73-1	5.0	N.D.
1,4-Dichlorobenzene	106-46-7	5.0	N.D.
1,2-Dichlorobenzene	95-50-1	5.0	N.D.
3,3-Dichlorobenzidine	91-94-1	5.0	N.D.
2,4-Dichlorophenol	120-83-2	5.0	N.D.
Diethyl phthalate	84-66-2	5.0	N.D.
2,4-Dimethylphenol	105-67-9	5.0	N.D.
Dimethyl phthalate	131-11-3	5.0	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	50	N.D.
2,4-Dinitrophenol	51-28-5	50	N.D.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97060088

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
2,4-Dinitrotoluene	121-14-2	5.0	N.D.
2,6-Dinitrotoluene	606-20-2	5.0	N.D.
Di-N-octyl phthalate	117-84-0	25	N.D.
Fluoranthene	206-44-0	5.0	N.D.
Fluorene	86-73-7	5.0	N.D.
Hexachlorobenzene	118-74-1	5.0	N.D.
Hexachlorobutadiene	87-68-3	5.0	N.D.
Hexachlorocyclopentadiene	77-47-4	5.0	N.D.
Hexachloroethane	67-72-1	5.0	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	25	N.D.
Isophorone	78-59-1	5.0	N.D.
2-Methylnaphthalene	91-57-6	5.0	N.D.
2-Methylphenol	95-48-7	5.0	N.D.
·Methylphenol	106-44-5	5.0	N.D.
·phthalene	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

:k 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
Laboratory Sample #: 97060089
Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-06-97
Reported: 06-13-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/l*	*SAMPLE RESULTS ug/l*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
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 #: 97060089

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

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

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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: 97060088
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-13-97

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, Rinsate Blank

Laboratory Sample Number: 97060089
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-13-97

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: 97060088
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-13-97

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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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Laboratory Sample Number: 97060089
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-13-97

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 : PCB 'S (EPA 8080)

Date of Analysis : 06/05/97
Laboratory Sample No : 97060006
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	240	210	96	84	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 : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	17	16	85	80	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 : Metals (EPA 6010)

Date of Analysis : 06/11/97
Laboratory Sample No : 97060014
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Chromium	0.28	1.00	1.25	1.22	97	94	2
Lead	0.0	10.0	8.7	8.8	87	88	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 : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 06/06/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	56	55	56	55	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 : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 06/04/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	106	111	106	111	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 : 06/06/97
Laboratory Sample No : 97060020
Laboratory Reference No : MWI 9144

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	20	19	100	95	5
Trichloroethene	0.0	20	19	18	95	90	5
Toluene	0.0	20	21	19	105	95	10
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 : 06/04/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9144

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	53	56	106	112	6
Trichloroethene	0.0	50	56	57	112	114	2
Toluene	0.0	50	50	51	100	102	2
Chlorobenzene	0.0	50	50	51	100	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 : 06/09/97
Laboratory Sample No : 97060010
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	48	47	96	94	2
1,1-Dichloroethene	0.0	50	44	42	88	84	5
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	48	48	96	96	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 : 06/04/97
Laboratory Sample No : 97060005
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	100	99	95	99	95	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 9144

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 : Extractable Fuel Hydrocarbons (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9144

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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/04/97
Laboratory Sample No : 97060023
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	40	33	80	66	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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 06/09/97
Laboratory Sample No : 97060127
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	60	50	120	100	18

Definition of Terms :

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

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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 9144

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 : 06/05/97
Laboratory Sample No : 97060080
Laboratory Reference No : MWI 9144

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	44	86	88	2
n-Nitroso-di-n-propylamine	0.0	50	43	41	86	82	5
1,2,4-Trichlorobenzene	0.0	50	42	42	84	84	0
Acenaphthene	0.0	50	45	45	90	90	0
Pyrene	0.0	50	41	43	82	86	5
Pentachlorophenol	0.0	100	81	80	81	80	1
4-Chloro-3-Methylphenol	0.0	100	71	70	71	70	1
2-Chlorophenol	0.0	100	83	84	83	84	1
Phenol	0.0	100	75	76	75	76	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 : 06/10/97
Laboratory Sample No : 97060253
Laboratory Reference No : MWI 9144

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	44	41	88	82	7
n-Nitroso-di-n-propylamine	0.0	50	44	41	88	82	7
1,2,4-Trichlorobenzene	0.0	50	42	39	84	78	7
Acenaphthene	0.0	50	45	42	90	84	7
Pyrene	0.0	50	43	41	86	82	5
Pentachlorophenol	0.0	100	76	69	76	69	10
4-Chloro-3-Methylphenol	0.0	100	67	63	67	63	6
2-Chlorophenol	0.0	100	84	80	84	80	5
Phenol	0.0	100	76	72	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 : 06/04/97
Laboratory Sample No : 97050559
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.80	3.20	93	107	13
Arsenic	0.00	1.00	1.04	1.09	104	109	5
Barium	0.021	0.100	0.121	0.115	100	94	5
Beryllium	0.00	0.100	0.103	0.098	103	98	5
Cadmium	0.00	0.100	0.119	0.112	119	112	6
Chromium (VI)	0.00	0.50	0.51	0.48	102	96	6
Chromium (Total)	0.00	0.100	0.097	0.085	97	85	13
Cobalt	0.00	0.100	0.116	0.105	116	105	10
Copper	0.073	0.100	0.168	0.171	95	98	2
Lead	0.00	1.00	1.19	1.19	119	119	0
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.00	1.00	1.13	1.08	113	108	5
Nickel	0.00	0.50	0.50	0.51	100	102	2
Selenium	0.00	1.00	1.06	1.20	106	120	12
Silver *	0.00	0.50	0.36	0.35	72	70	3
Thallium	0.00	3.00	2.30	2.40	77	80	4
Vanadium	0.16	0.50	0.62	0.64	92	96	3
Zinc	0.039	0.100	0.129	0.137	90	98	6

Definition of Terms :

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

Matrix interference *

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/04/97
Laboratory Sample No : 97060087
Laboratory Reference No : MWI 9144

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	28.0	31.0	93	103	10
Arsenic	0.0	10.0	9.4	8.9	94	89	5
Barium	9.6	10.0	19.0	19.0	94	94	0
Beryllium	0.00	1.00	0.98	0.92	98	92	6
Cadmium	0.00	1.00	1.01	1.06	101	106	5
Chromium (Total)	12.0	5.0	16.0	16.0	80	80	0
Chromium (VI)	0.00	1.00	0.84	0.85	84	85	1
Cobalt	0.60	1.00	1.60	1.45	100	85	10
Copper	2.80	1.00	3.70	3.60	90	80	3
Lead	0.0	10.0	10.7	10.1	107	101	6
Mercury	0.000	0.020	0.018	0.021	90	105	15
Molybdenum	0.0	10.0	10.0	10.2	100	102	2
Nickel	1.00	5.00	6.40	6.20	108	104	3
Selenium	0.0	10.0	11.3	11.7	113	117	3
Silver	0.0	5.0	4.3	4.0	86	80	7
Thallium	0.0	30.0	24.0	28.0	80	93	15
Vanadium	2.4	5.0	7.3	7.1	98	94	3
Zinc	6.0	5.0	10.0	10.3	80	86	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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9144

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	1.00	0.90	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

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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

24 hr TAT on Soil TRPH; Rush 24 hr TAT as noted below; Standard
REQUIRED TAT: _____

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 91101	LOCATION:	Bldg. 37 Area
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	AWN/IV/NLM

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	VOCs 8260	SVOCs 8270	Carbon Chain	Metals (Title 22)	8015 gas	8015 diesel	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
RR-GS-13-4'	2	6/3/97	0747	SOIL	2"x6" SS sleeve	ICE	X	X	X	X	X	X	X	X		
RR-GS-13-9'	2		0756				X	X	X	X	X	X	X	X		
RR-GS-14-8'	2		0817				X	X	X	X	X			X		
RR-GS-15-8'	2		0838				X	X	X	X	X			X		
RR-GS-16-4'	2		0855				X	X	X	X	X			X		
RR-GS-16-7'	2		0900				X	X	X	X	X			X		
RR-GS-17-6'	2		0915				X	X	X	X	X			X		
RR-GS-18-8'	2		0938				X	X	X	X	X			X		
PL-GS-1-2.5'	2		1610				X	X		X	X	X	X			Rush 24 hr TAT
PL-GS-2-2.5'	2		1620				X	X		X	X	X	X			Rush 24 hr TAT
PL-GS-3-3'	2		1630				X	X		X	X	X	X			Rush 24 hr TAT
Equipment Blank	8		1638	Water	5 amber poly 2 VOAs	None HNO3 HCl	X	X	X	X	X			X	X	
Rinsate Blank	8		1645				X	X	X	X	X			X	X	
Trip Blank	2		—		2 VOAs	HCl		X								

Total No. of Samples: 14

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Adam W. Vanis	6/3/97 1735		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	6/3/97 17:35

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0032256

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

Sampled: 06/04/97
Sample Description: Soil
Recevied: 06/04/97
Analyzed: 06/05/97
Laboratory Reference #: MWI 9149
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97060098	RR-GS-19-4'	N.D.
97060099	RR-GS-20-4'	200
97060100	RR-GS-21-4'	47
97060101	RR-GS-22-1.5'	230
97060102	RR-GS-22-4'	25
97060103	RR-GS-23-4'	110
97060104	RR-GS-24-1.5'	N.D.
97060105	RR-GS-24-4'	N.D.
97060106	RR-GS-25-4'	250
97060107	RR-GS-26-1.5'	N.D.
97060108	RR-GS-26-6'	17
97060109	RR-GS-27-4'	N.D.
97060110	RR-GS-28-4'	N.D.
97060111	RR-GS-29-4'	N.D.
97060112	RR-GS-30-4'	N.D.
97060113	RR-GS-31-4'	86
97060114	RR-GS-32-4'	83

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-19-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

Laboratory Sample Number: 97060098
Laboratory Reference #: MWI 9149

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	37
Cobalt	6010	80	8000	0.5	9.1
Copper	6010	25	2500	0.1	17
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	38
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, RR-GS-19-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/06/97
Reported: 06/17/97

Laboratory Sample Number: 97060098
Laboratory Reference #: MWI 9149

PCB'S (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97060115	Equip Blank	N.D.
97060116	Rinsate Blank	N.D.

Detection Limit:	0.5

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 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97060115	Equip Blank	N.D.
97060116	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 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
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)*
97060115	Equip Blank	N.D.
97060116	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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060115

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	97
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, Rinsate Blank
Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060116

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	98
Toluene-d8	103
4-Bromofluorobenzene	100

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97060117
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060117

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	97
Toluene-d8	104
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, Equip Blank
Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060115

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, Rinsate Blank
Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060116

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

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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	

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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	

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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 : Diesel (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

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

ORANGE COAST ANALYTICAL

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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 9149

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 : Metals

Date of Analysis : 06/09/97
Laboratory Sample No : 97060208
Laboratory Reference No : MWI 9149

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 : Metals

Date of Analysis : 06/9/97
Laboratory Sample No : 97060114
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	30.0	103	100	3
Arsenic *	0.0	10.0	4.1	4.9	41	49	18
Barium	13.0	10.0	24.0	24.0	110	110	0
Beryllium	0.00	1.00	0.98	0.96	98	96	2
Cadmium	0.00	1.00	1.03	0.92	103	92	11
Chromium (Total)	3.1	5.0	8.1	7.7	100	92	5
Chromium (VI)	0.00	1.00	0.91	0.85	91	85	7
Cobalt	0.74	1.00	1.70	1.81	96	107	6
Copper	0.92	1.00	1.83	1.87	91	95	2
Lead	0.0	10.0	8.1	8.2	81	82	1
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.0	10.0	10.4	9.8	104	98	6
Nickel	1.30	5.00	6.40	5.90	102	92	8
Selenium	0.0	10.0	11.5	10.6	115	106	8
Silver	0.0	5.0	4.0	4.0	80	80	0
Thallium	0.0	30.0	24.0	24.0	80	80	0
Vanadium	3.5	5.0	8.8	8.2	106	94	7
Zinc	4.1	5.0	9.0	9.5	98	108	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

Matrix interference *

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/10/97
Laboratory Sample No : 97060115
Laboratory Reference No : MWI 9149

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	49	94	98	4
1,1-Dichloroethene	0.0	50	42	45	84	90	7
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	48	50	96	100	4
Chlorobenzene	0.0	50	47	49	94	98	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 : 06/10/97
Laboratory Sample No : 97060117
Laboratory Reference No : MWI 9149

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	14	14	70	70	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	18	18	90	90	0
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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	1.00	0.90	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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060099
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	190	230	76	92	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 : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060105
Laboratory Reference No : MWI 9149

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

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

Sampled: 08/01/97
Sample Description: Soil,
Received: 08/01/97
Analyzed: 08/04/97
Laboratory Reference #: MWI 9422
Reported: 08/04/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080030	OA1-RE8-SP1	2,700
97080031	OA1-RE8-SP2	2,000
97080032	OA1-RE8-SP3	4,100
97080033	OA1-RE8-SP4	760
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-RE8-SP1

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080030
Laboratory Reference #: MWI 9422

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	31	<---
Cobalt	6010	80	8000	0.5	8.1	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	31	<---
Zinc	6010	250	5000	0.1	89	<---

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-RE8-SP2

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080031
Laboratory Reference #: MWI 9422

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	23	<---
Cobalt	6010	80	8000	0.5	8.5	<---
Copper	6010	25	2500	0.1	14	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	28	<---
Zinc	6010	250	5000	0.1	57	<---

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-RE8-SP3

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080032
Laboratory Reference #: MWI 9422

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	26	<---
Cobalt	6010	80	8000	0.5	6.9	<---
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	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	27	<---
Zinc	6010	250	5000	0.1	66	<---

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-RE8-SP4

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080033
Laboratory Reference #: MWI 9422

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	29	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	13	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	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	27	<---
Zinc	6010	250	5000	0.1	65	<---

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-RE8-SP1
Laboratory Sample Number: 97080030
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

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-SP1
Laboratory Sample #: 97080030

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	81	<----
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	130	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	59	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	450	<---
sec-Butylbenzene	135-98-8	50	240	<---
4-Isopropyltoluene	99-87-6	50	510	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	320	<---
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	1,000	<---
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	99
Toluene-d8	100
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-RE8-SP2
Laboratory Sample Number: 97080031
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

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-SP2
Laboratory Sample #: 97080031

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	84	<---
4-Isopropyltoluene	99-87-6	50	76	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	76	<---
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	250	<---
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	99
Toluene-d8	100
4-Bromofluorobenzene	100

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE8-SP3
Laboratory Sample Number: 97080032
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

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	140	<---
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	700	<---
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-SP3
Laboratory Sample #: 97080032

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	140	<---
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	240	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	340	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	180	<---
1,2,4-Trimethylbenzene	95-63-6	50	1,400	<---
sec-Butylbenzene	135-98-8	50	200	<---
4-Isopropyltoluene	99-87-6	50	260	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	290	<---
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	1,500	<---
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	103
Toluene-d8	98
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: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
Reported: 08/14/97

Sample Description: Soil, OA1-RE8-SP4
Laboratory Sample Number: 97080033
Laboratory Reference #: MWI 9422

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	2.9	<---
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-RE8-SP4
Laboratory Sample #: 97080033

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	2.5	<---
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	4.9	<---
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	5.4	<---
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	103
Toluene-d8	97
4-Bromofluorobenzene	86

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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-SP1
Laboratory Sample Number: 97080030
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
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	2000	N.D.
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	N.D.
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	N.D.
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	N.D.
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	N.D.
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-RE8-SP1
Laboratory Sample #: 97080030

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	2000	N.D.	
Fluorene	86-73-7	2000	N.D.	
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	3,900	<---
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	3,200	<---
Phenol	108-95-2	2000	N.D.	
Pyrene	129-00-0	2000	N.D.	
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-RE8-SP2
Laboratory Sample Number: 97080031
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
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	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	N.D.
Benzo (b) fluoranthene	205-99-2	2000	N.D.
Benzo (k) fluoranthene	207-08-9	2000	N.D.
Benzo (g,h,i)perylene	191-24-2	2000	N.D.
Benzo (a) pyrene	50-32-8	2000	N.D.
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	N.D.
Dibenz(a,h)anthracene	53-70-3	800	N.D.
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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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270) (continued)

Sample Description: Soil, OA1-RE8-SP2
Laboratory Sample #: 97080031

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	800	N.D.	
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	N.D.	
Isophorone	78-59-1	800	N.D.	
2-Methylnaphthalene	91-57-6	800	900	<---
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	1,500	<---
Phenol	108-95-2	800	N.D.	
Pyrene	129-00-0	800	N.D.	
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-RE8-SP3
Laboratory Sample Number: 97080032
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
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	2000	N.D.
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	N.D.
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	N.D.
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	N.D.
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	N.D.
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-RE8-SP3
Laboratory Sample #: 97080032

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	2000	N.D.	
Fluorene	86-73-7	2000	N.D.	
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	7,500	<---
2-Methylphenol	95-48-7	2000	N.D.	
4-Methylphenol	106-44-5	2000	N.D.	
Naphthalene	91-20-3	2000	2,200	<---
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	2,700	<---
Phenol	108-95-2	2000	N.D.	
Pyrene	129-00-0	2000	N.D.	
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-RE8-SP4
Laboratory Sample Number: 97080033
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
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	400	N.D.
Acenaphthylene	208-96-8	400	N.D.
Aniline	62-53-3	400	N.D.
Anthracene	120-12-7	400	N.D.
Benzoic Acid	65-85-0	2000	N.D.
Benzo (a) anthracene	56-55-3	400	N.D.
Benzo (b) fluoranthene	205-99-2	1000	N.D.
Benzo (k) fluoranthene	207-08-9	1000	N.D.
Benzo (g,h,i)perylene	191-24-2	1000	N.D.
Benzo (a) pyrene	50-32-8	1000	N.D.
Benzyl alcohol	100-51-6	400	N.D.
Bis(2-chloroethoxy)methane	111-91-1	400	N.D.
Bis(2-chloroethyl)ether	111-44-4	400	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	400	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	400	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.

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

Sample Description: Soil, OA1-RE8-SP4
Laboratory Sample #: 97080033

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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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-SP3

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/08/97
Reported: 08/14/97

Laboratory Sample Number: 97080032
Laboratory Reference #: MWI 9422

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: 418.1

Sampled: 08/01/97
Sample Description: Water,
Received: 08/01/97
Analyzed: 08/05/97
Laboratory Reference #: MWI 9422
Reported: 08/14/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080034	Equip Blank	N.D.
97080035	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: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080034
Laboratory Reference #: MWI 9422

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: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

Laboratory Sample Number: 97080035
Laboratory Reference #: MWI 9422

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, Equip Blank
Laboratory Sample Number: 97080034
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
Reported: 08/14/97

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 #: 97080034

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	104
4-Bromofluorobenzene	97

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080035
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
Reported: 08/14/97

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 #: 97080035

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	98
Toluene-d8	104
4-Bromofluorobenzene	97

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, Trip Blank
Laboratory Sample Number: 97080036
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/12/97
Reported: 08/14/97

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 #: 97080036

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	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, Equip Blank
Laboratory Sample Number: 97080034
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
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 #: 97080034

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: 97080035
Laboratory Reference #: MWI 9422

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/07/97
Reported: 08/14/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/l)*	*SAMPLE RESULTS (ug/l)*
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
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 #: 97080035

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: 08/01/97
Received: 08/01/97
Analyzed: 08/06/97
Reported: 08/14/97

Laboratory Sample Number: 97080034
Laboratory Reference #: MWI 9422

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: 08/01/97
Received: 08/01/97
Analyzed: 08/06/97
Reported: 08/14/97

Laboratory Sample Number: 97080035
Laboratory Reference #: MWI 9422

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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250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/01/97
Received: 08/01/97
Analyzed: 08/04/97
Reported: 08/14/97

Laboratory Sample Number: 97080034
Laboratory Reference #: MWI 9422

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: 08/01/97
Received: 08/01/97
Analyzed: 08/04/97
Reported: 08/14/97

Laboratory Sample Number: 97080035
Laboratory Reference #: MWI 9422

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 : 08/04/97
Laboratory Sample No : 97070500
Laboratory Reference No : MWI 9422

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 : 08/05/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9422

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 9422

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 9422

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 : 08/07/97
Laboratory Sample No : 97070547
Laboratory Reference No : MWI 9422

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	50	44	100	88	13
Trichloroethene	0.00	50	42	43	84	86	2
Toluene	0.0	50	47	46	94	92	2
Chlorobenzene	0.0	50	46	45	92	90	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 : 08/12/97
Laboratory Sample No : 97070549
Laboratory Reference No : MWI 9422

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

Date of Analysis : 08/13/97
Laboratory Sample No : 97080185
Laboratory Reference No : MWI 9422

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 : PCB 'S (EPA 8080)

Date of Analysis : 08/08/97
Laboratory Sample No : 97080107
Laboratory Reference No : MWI 9422

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

Date of Analysis : 08/07/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9422

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 9422

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9422

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

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 : PCB 'S (EPA 8080)

Date of Analysis : 08/06/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9422

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

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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
PASADENA, CA 91101
PHONE: (818) 568-6582 FAX: (818) 796-5941

PROJECT INFORMATION

PROJECT NAME: McDonnell Douglas.
NUMBER: 1206035.01090010
LOCATION: C-6 Facility.
ADDRESS: 19503 S NORMANDIE
LOS Angeles, CA
SAMPLED BY: AN/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-REB-SP1	2	8/1/97	1550	Soil	2"x6" sleeve	Ice	X	X	X	X					
OA1-REB-SP2			1554				X	X	X	X					
OA1-REB-SP3			1600				X	X	X	X					
OA1-REB-SP4			1610				X	X	X	X					
EQUIPMENT Blank	7		1615	Water	4 amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7		1630				X	X	X	X	X	X			
Trip Blank	2		—		2 VOAs	HCL			X						

Total No. of Samples: 7

Method of Shipment: Cooler via Orange Coast Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	8/1/97 1645.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 8/1/97 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 [illegible]sal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032341

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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

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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.

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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: Water, Equip Blank
Laboratory Sample Number: 97080058
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
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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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

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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 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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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

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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: 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

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080059
Laboratory Reference #: MWI 9424

Sampled: 08/04/97
Received: 08/04/97
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, 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

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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

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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

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: 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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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: 08/06/97
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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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: 08/04/97
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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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

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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

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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

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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

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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 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

Mark Noorani

MARK NOORANI
Laboratory Director

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

Analysis Request and Chain-of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24hr TAT on soil TPH only. 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	4 amber 3 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 Ovejas	8/4/97 1655		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[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 dis . A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032375

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)*
97070344	OA1-GS-1-4'	N.D.
97070345	OA1-GS-2-6'	10
97070346	OA1-GS-3-4'	14
97070347	OA1-GS-4-6'	N.D.
97070348	OA1-GS-5-3'	9.0
97070349	OA1-GS-6-3'	13
97070350	OA1-GS-7-12'	9.0
97070351	OA1-GS-8-12'	13
97070352	OA1-GS-9-10'	19
97070353	OA1-GS-10-4'	N.D.
97070354	OA1-GS-11-4'	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.

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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
97070357	OA1-GS-14-12'	1,000
97070358	OA1-GS-15-12'	6,300
97070359	OA1-GS-16-12'	420
97070360	OA1-GS-17-12'	25
97070361	OA1-GS-18-12'	N.D.
97070362	OA1-GS-19-6'	N.D.
97070363	OA1-GS-20-4'	N.D.
97070364	OA1-GS-21-12'	N.D.
97070365	OA1-RE4-SP1	1,300
97070366	OA1-RE4-SP2	76

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

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.

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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-20-4'

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/24/97
Reported: 07/29/97

Laboratory Sample Number: 97070363
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	24	<---
Cobalt	6010	80	8000	0.5	7.5	<---
Copper	6010	25	2500	0.1	10	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	32	<---
Zinc	6010	250	5000	0.1	34	<---

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

Sampled: 07/22/97
Received: 07/22/97
Analyzed: 07/31/97
Reported: 08/01/97

Sample Description: Soil, OA1-GS-12-5'
Laboratory Sample Number: 97070355
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	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.	

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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

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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: 07/30/97
Reported: 07/30/97

Sample Description: Soil, OA1-GS-12-5'
Laboratory Sample Number: 97070355
Laboratory Reference #: MWI 9370

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-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

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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

Sampled: 07/22/97
Sample Description: Water,
Received: 07/22/97
Analyzed: 07/25/97
Laboratory Reference #: MWI 9370
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: 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.

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: 07/22/97
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.

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: 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.

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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.
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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: 07/23/97
Reported: 07/29/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

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, 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, 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, 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.

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

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 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

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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

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 #: 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.

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: 07/22/97
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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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
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: 07/22/97
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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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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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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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 : 07/30/97
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 : 07/23/97
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

ORANGE COAST ANALYTICAL

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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 : 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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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

QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 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 : 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 : 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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

Mark Noorani

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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

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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

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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

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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

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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 other

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

BOE-C6-0032419

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 Standard TAT Oth

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

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-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	4 amber 1 poly 2 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1615		4 amber 1 poly 2 VOAs	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: [signature]	Date/Time: 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.

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]

Please call me at (818) 568-6334 to confirm your receipt of this fax.
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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 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 9373

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

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070375	OA1-GS-22-12'	130
97070376	OA1-GS-23-12'	N.D.
97070377	OA1-GS-24-4'	N.D.
97070378	OA1-GS-25-2'	N.D.
97070379	OA1-GS-26-2'	N.D.
97070380	OA1-GS-27-3'	N.D.
97070381	OA1-GS-28-12'	N.D.
97070382	OA1-GS-29-12'	N.D.
97070383	OA1-GS-30-12'	N.D.
97070384	OA1-GS-31-4'	N.D.
97070385	OA1-GS-32-2'	91

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

Analysis Method: 418.1

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

Sample Description: Soil,

Laboratory Reference #: MWI 9373

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070386	OA1-GS-33-4'	N.D.
97070387	OA1-GS-34-12'	N.D.
97070388	OA1-GS-35-12'	N.D.
97070389	OA1-GS-36-12'	N.D.
97070390	OA1-GS-37-6'	N.D.
97070391	OA1-GS-38-3'	N.D.
97070392	OA1-GS-39-6'	N.D.
97070393	OA1-GS-40-6'	25
97070394	OA1-GS-41-6'	N.D.
97070395	OA1-GS-42-6'	N.D.
97070396	OA1-RE4-SP3	63
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
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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-27-3'

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/24/97
Reported: 07/31/97

Laboratory Sample Number: 97070380
Laboratory Reference #: MWI 9373

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	70	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	19	<---
Cobalt	6010	80	8000	0.5	6.2	<---
Copper	6010	25	2500	0.1	6.7	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.4	<---
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	25	<---
Zinc	6010	250	5000	0.1	20	<---

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-GS-33-4'

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/24/97
Reported: 07/31/97

Laboratory Sample Number: 97070386
Laboratory Reference #: MWI 9373

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	4.5	<---
Copper	6010	25	2500	0.1	9.4	<---
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	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	31	<---
Zinc	6010	250	5000	0.1	33	<---

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 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/25/97
Reported: 07/31/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070397	Equip Blank	N.D.
97070398	Rinsate Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/24/97
Reported: 07/31/97

Laboratory Sample Number: 97070397
Laboratory Reference #: MWI 9373

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: 07/23/97
Received: 07/23/97
Analyzed: 07/24/97
Reported: 07/31/97

Laboratory Sample Number: 97070398
Laboratory Reference #: MWI 9373

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: 97070397
Laboratory Reference #: MWI 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/29/97
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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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Equip Blank
Laboratory Sample #: 97070397

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	86
Toluene-d8	94
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, Rinsate Blank
Laboratory Sample Number: 97070398
Laboratory Reference #: MWI 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/29/97
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.
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 #: 97070398

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	87
Toluene-d8	94
4-Bromofluorobenzene	90

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97070399
Laboratory Reference #: MWI 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/29/97
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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VOLATILE ORGANICS BY GC/MS (EPA 8260) (continued)

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070399

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	89

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: 97070397
Laboratory Reference #: MWI 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/29/97
Reported: 07/31/97

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 #: 97070397

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: 97070398
Laboratory Reference #: MWI 9373

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/29/97
Reported: 07/31/97

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 #: 97070398

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: 07/23/97
Received: 07/23/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070397
Laboratory Reference #: MWI 9373

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, Rinsate Blank

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070398
Laboratory Reference #: MWI 9373

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: 07/23/97
Received: 07/23/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070397
Laboratory Reference #: MWI 9373

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, Rinsate Blank

Sampled: 07/23/97
Received: 07/23/97
Analyzed: 07/28/97
Reported: 07/31/97

Laboratory Sample Number: 97070398
Laboratory Reference #: MWI 9373

PCB'S (EPA 8080)

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

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

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/24/97
Laboratory Sample No : 97070394
Laboratory Reference No : MWI 9373

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	30.0	31.0	100	103	3
Arsenic	0.0	10.0	10.8	10.9	108	109	1
Barium	9.3	10.0	19.0	19.0	97	97	0
Beryllium	0.00	1.00	0.99	1.01	99	101	2
Cadmium	0.00	1.00	0.94	1.03	94	103	9
Chromium (Total)	2.30	5.00	6.70	6.90	88	92	3
Chromium (VI)	0.00	1.00	0.83	0.86	83	86	4
Cobalt	0.68	1.00	1.52	1.50	84	82	1
Copper	0.90	1.00	1.72	1.82	82	92	6
Lead	0.00	10.0	9.4	10.1	94	101	7
Mercury	0.000	0.020	0.017	0.019	85	95	11
Molybdenum	0.0	10.0	10.4	10.3	104	103	1
Nickel	0.88	5.00	5.1	5.4	84	90	6
Selenium	0.0	10.0	9.5	10.1	95	101	6
Silver	0.0	5.0	4.1	4.0	82	80	2
Thallium	0.0	30.0	25.0	28.0	83	93	11
Vanadium	2.7	5.0	7.6	7.8	98	102	3
Zinc	3.1	5.0	7.3	7.7	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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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/24/97
Laboratory Sample No : 97070381
Laboratory Reference No : MWI 9373

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	28.0	30.0	93	100	7
Arsenic	0.0	10.0	9.8	10.8	98	108	10
Barium	16.0	10.0	25.0	26.5	90	105	6
Beryllium	0.00	1.00	0.92	0.96	92	96	4
Cadmium	0.00	1.00	0.92	1.02	92	102	10
Chromium (Total)	3.40	5.00	7.70	8.10	86	94	5
Chromium (VI)	0.00	1.00	0.80	0.85	80	85	6
Cobalt	0.82	1.00	1.66	1.71	84	89	3
Copper	1.80	1.00	2.60	2.60	80	80	0
Lead	0.00	10.0	8.0	8.3	80	83	4
Mercury	0.000	0.020	0.018	0.019	90	95	5
Molybdenum	0.0	10.0	9.5	9.8	95	98	3
Nickel	1.50	5.00	5.6	5.9	82	88	5
Selenium	0.0	10.0	8.5	9.3	85	93	9
Silver	0.0	5.0	4.6	4.1	92	82	11
Thallium	0.0	30.0	25.0	29.0	83	97	15
Vanadium	3.7	5.0	8.4	8.6	94	98	2
Zinc	4.7	5.0	8.7	9.2	80	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 : Metals

Date of Analysis : 07/24/97
Laboratory Sample No : 97070398
Laboratory Reference No : MWI 9373

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.10	3.50	103	117	12
Arsenic	0.00	1.00	1.19	1.20	119	120	1
Barium	0.000	0.100	0.099	0.105	99	105	6
Beryllium	0.00	0.100	0.098	0.092	98	92	6
Cadmium	0.00	0.100	0.111	0.117	111	117	5
Chromium (VI)	0.00	0.50	0.45	0.44	90	88	2
Chromium (Total)	0.00	0.100	0.086	0.101	86	101	16
Cobalt	0.00	0.100	0.088	0.102	88	102	15
Copper	0.000	0.100	0.088	0.092	88	92	4
Lead	0.00	1.00	1.18	1.13	118	113	4
Mercury	0.000	0.020	0.019	0.019	95	95	0
Molybdenum	0.00	1.00	0.91	1.06	91	106	15
Nickel	0.00	0.50	0.52	0.51	104	102	2
Selenium	0.00	1.00	1.00	1.15	100	115	14
Silver	0.00	0.50	0.45	0.50	90	100	11
Thallium	0.00	3.00	3.30	3.40	110	113	3
Vanadium	0.00	0.50	0.47	0.53	94	106	12
Zinc	0.000	0.100	0.085	0.091	85	91	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 : 07/24/97
Laboratory Sample No : 97070383
Laboratory Reference No : MWI 9373

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 : 07/24/97
Laboratory Sample No : 97070363
Laboratory Reference No : MWI 9373

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 : 07/25/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9373

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 Organics by GC/MS (EPA 8260)

Date of Analysis : 07/24/97
Laboratory Sample No : 97070396
Laboratory Reference No : MWI 9373

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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QC DATA REPORT

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

Date of Analysis : 07/28/97
Laboratory Sample No : 97070466
Laboratory Reference No : MWI 9373

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	49	52	98	104	6
1,1-Dichloroethene	0.0	50	46	49	92	98	6
Trichloroethene	1.96	50	44	47	84	90	7
Toluene	0.0	50	47	50	94	100	6
Chlorobenzene	0.0	50	48	50	96	100	4

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/29/97
Laboratory Sample No : 97070399
Laboratory Reference No : MWI 9373

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	18	90	90	0
1,1-Dichloroethene	0.0	20	16	16	80	80	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	19	19	95	95	0
Chlorobenzene	0.0	20	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 07/25/97
Laboratory Sample No : 97070362
Laboratory Reference No : MWI 9373

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 9373

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 : OCA 200
Laboratory Reference No : MWI 9373

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	42	47	84	94	11
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	44	45	88	90	2
Pentachlorophenol	0.0	100	79	82	79	82	4
4-Chloro-3-Methylphenol	0.0	100	69	68	69	68	1
2-Chlorophenol	0.0	100	77	77	77	77	0
Phenol	0.0	100	72	73	72	73	1

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 07/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9373

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	38	86	76	12
n-Nitroso-di-n-propylamine	0.0	50	48	47	96	94	2
1,2,4-Trichlorobenzene	0.0	50	43	38	86	76	12
Acenaphthene	0.0	50	48	46	96	92	4
Pyrene	0.0	50	48	45	96	90	6
Pentachlorophenol	0.0	100	83	77	83	77	8
4-Chloro-3-Methylphenol	0.0	100	75	70	75	70	7
2-Chlorophenol	0.0	100	79	75	79	75	5
Phenol	0.0	100	28	26	28	26	7

Definition of Terms :

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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9373

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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 07/28/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9373

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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(714) 832-0064, Fax (714) 832-0067

Analysis Request and Chain of Custody Record

Lab Job No: ___
Page 1 of ___

REQUIRED TAT: 24 hr TAT on 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 Normandie Ave. Los Angeles, CA
PHONE:	(818) 568-6582 FAX: (818) 796-5941	SAMPLED BY:	CW/AWN/Ir

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-22-12'	2	7/23/97	0915	Soil	2"x6" Sleeve	Ice	X	X					
OA1-GS-23-12'	2		0925				X	X					
OA1-GS-24-4'	2		0940				X	X					
OA1-GS-25-2'	2		0955				X	X					
OA1-GS-26-2'	2		1005				X	X					
OA1-GS-27-3'	2		1015				X	X					
OA1-GS-28-12'	2		1030				X	X					
OA1-GS-29-12'	2		1040				X	X					
OA1-GS-30-12'	2		1050				X	X					
OA1-GS-31-4'	2		1145				X	X					
OA1-GS-32-2'	2		1150				X	X					
OA1-GS-33-4'	2		1310				X	X					
OA1-GS-34-12'	2		1325				X	X					
OA1-GS-35-12'	2		1333				X	X					

Total No. of Samples: 25

Method of Shipment: 2 Coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/23/97 1615		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	7/23/97 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-C6-0032459

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 _____

REQUIRED TAT: 24 hr TAT ON Soil TRPH ... 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	LOCATION:	C-6 Facility.
	Pasadena, CA 91101	ADDRESS:	19503 Normandie Ave. Los Angeles, CA
PHONE:	(818) 568-6582 FAX: (818) 796-5941	SAMPLED BY:	CW/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-GS-36-12'	2	7/23/97	1350	Soil	2"x6" SS sleeve	Ice	X	X							
OA1-GS-37-6'	2		1450				X	X							
OA1-GS-38-3'	2		1500				X	X							
OA1-GS-39-6'	2		1510				X	X							
OA1-GS-40-6'	2		1520				X	X							
OA1-GS-41-6'	2		1530				X	X							
OA1-GS-42-6'	2		1545				X	X							
OA1-RE4-SP3	2		1450				X	X	X	X					
Equipment Blank	7		1545	Water	4 amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X			
Rinsate Blank	7		1600				X	X	X	X	X	X			
Trip Blank	2				2 VOAs	HCL			X						

Total No. of Samples: 25

Method of Shipment: 2 Coolers via Orange Coast Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	9/23/97 1615		
		Received For Lab By:	Date/Time:
		[signature]	7/23/97 1615

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

BOE-C6-0032460

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/29/97
Reported: 07/29/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070495	OA1-GS-63-3'	N.D.
97070496	OA1-GS-64-7'	21
97070497	OA1-GS-65-2'	N.D.
97070498	OA1-GS-66-9'	N.D.
97070499	OA1-GS-67-5'	19
97070500	OA1-GS-68-6'	N.D.
97070501	OA1-GS-69-8'	N.D.
97070502	OA1-RE6-SP1	120
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-GS-63-3'

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/30/97
Reported: 08/04/97

Laboratory Sample Number: 97070495
Laboratory Reference #: MWI 9397

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	72	<---
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	18	<---
Cobalt	6010	80	8000	0.5	6.7	<---
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	6.4	<---
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	24	<---
Zinc	6010	250	5000	0.1	19	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/30/97
Reported: 08/04/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97070503	Equip Blank	N.D.
97070504	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: 07/28/97
Received: 07/28/97
Analyzed: 07/29/97
Reported: 08/04/97

Laboratory Sample Number: 97070503
Laboratory Reference #: MWI 9397

CCR - METALS

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

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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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: 07/28/97
Received: 07/28/97
Analyzed: 07/29/97
Reported: 08/04/97

Laboratory Sample Number: 97070504
Laboratory Reference #: MWI 9397

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: 97070503
Laboratory Reference #: MWI 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/30/97
Reported: 08/04/97

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 #: 97070503

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	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: Water, Rinsate Blank
Laboratory Sample Number: 97070504
Laboratory Reference #: MWI 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/30/97
Reported: 08/04/97

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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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 #: 97070504

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	96
4-Bromofluorobenzene	90

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97070505
Laboratory Reference #: MWI 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/30/97
Reported: 08/04/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97070505

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	93
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

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/29/97
Reported: 08/04/97

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97070503
Laboratory Reference #: MWI 9397

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 #: 97070503

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: 97070504
Laboratory Reference #: MWI 9397

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 07/29/97
Reported: 08/04/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	***CAS NUMBER***	***DETECTION Limit (ug/l)***	***SAMPLE RESULTS (ug/l)***
Acenaphthene	83-32-9	5.0	N.D.
Acenaphthylene	208-96-8	5.0	N.D.
Aniline	62-53-3	5.0	N.D.
Anthracene	120-12-7	5.0	N.D.
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 #: 97070504

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: 07/28/97
Received: 07/28/97
Analyzed: 08/04/97
Reported: 08/04/97

Laboratory Sample Number: 97070503
Laboratory Reference #: MWI 9397

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, Rinsate Blank

Sampled: 07/28/97
Received: 07/28/97
Analyzed: 08/04/97
Reported: 08/04/97

Laboratory Sample Number: 97070504
Laboratory Reference #: MWI 9397

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: 07/28/97
Received: 07/28/97
Analyzed: 08/01/97
Reported: 08/04/97

Laboratory Sample Number: 97070503
Laboratory Reference #: MWI 9397

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: 07/28/97
Received: 07/28/97
Analyzed: 08/01/97
Reported: 08/04/97

Laboratory Sample Number: 97070504
Laboratory Reference #: MWI 9397

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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QC DATA REPORT

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

Date of Analysis : 07/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9397

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

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QC DATA REPORT

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

Date of Analysis : 07/29/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9397

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	43	38	86	76	12
n-Nitroso-di-n-propylamine	0.0	50	48	47	96	94	2
1,2,4-Trichlorobenzene	0.0	50	43	38	86	76	12
Acenaphthene	0.0	50	48	46	96	92	4
Pyrene	0.0	50	48	45	96	90	6
Pentachlorophenol	0.0	100	83	77	83	77	8
4-Chloro-3-Methylphenol	0.0	100	75	70	75	70	7
2-Chlorophenol	0.0	100	79	75	79	75	5
Phenol	0.0	100	28	26	28	26	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 08/02/97
Laboratory Sample No : 97070462
Laboratory Reference No : MWI 9397

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	37	37	74	74	0
1,2,4-Trichlorobenzene	0.0	50	41	40	82	80	2
Acenaphthene	0.0	50	42	40	84	80	5
Pyrene	0.0	50	46	42	92	84	9
Pentachlorophenol	0.0	100	70	73	70	73	4
4-Chloro-3-Methylphenol	0.0	100	58	58	58	58	0
2-Chlorophenol	0.0	100	74	71	74	71	4
Phenol	0.0	100	64	62	64	62	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 : 08/01/97
Laboratory Sample No : 97070414
Laboratory Reference No : MWI 9397

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	42	40	84	80	5
n-Nitroso-di-n-propylamine	0.0	50	46	47	92	94	2
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	45	42	90	84	7
Pentachlorophenol	0.0	100	80	88	80	88	10
4-Chloro-3-Methylphenol	0.0	100	66	70	66	70	6
2-Chlorophenol	0.0	100	75	76	75	76	1
Phenol	0.0	100	67	68	67	68	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 : 08/04/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9397

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 : PCB 'S (EPA 8080)

Date of Analysis : 08/01/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9397

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/01/97
Laboratory Sample No : 97070412
Laboratory Reference No : MWI 9397

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	0.0	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

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 9397

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

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Laboratory Director

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 07/29/97
Laboratory Sample No : 97070419
Laboratory Reference No : MWI 9397

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.40	2.60	80	87	8
Arsenic	0.00	1.00	1.02	1.01	102	101	1
Barium	0.000	0.100	0.098	0.086	98	86	13
Beryllium	0.00	0.100	0.098	0.103	98	103	5
Cadmium	0.00	0.100	0.109	0.107	109	107	2
Chromium (VI)	0.00	0.50	0.41	0.50	82	100	20
Chromium (Total)	0.00	0.100	0.101	0.091	101	91	10
Cobalt	0.00	0.100	0.114	0.107	114	107	6
Copper	0.000	0.100	0.098	0.103	98	103	5
Lead	0.00	1.00	0.80	0.86	80	86	7
Mercury	0.000	0.020	0.020	0.021	100	105	5
Molybdenum	0.00	1.00	0.90	0.84	90	84	7
Nickel	0.00	0.50	0.49	0.51	98	102	4
Selenium	0.00	1.00	1.02	0.99	102	99	3
Silver	0.00	0.50	0.46	0.52	92	104	12
Thallium	0.00	3.00	3.10	2.80	103	93	10
Vanadium	0.00	0.50	0.49	0.45	98	90	9
Zinc	0.000	0.100	0.083	0.080	83	80	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 : 07/29/97
Laboratory Sample No : 97070451
Laboratory Reference No : MWI 9397

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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Laboratory Director

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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 9397

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	2.5	2.5	2.5	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 : 07/30/97
Laboratory Sample No : 97070498
Laboratory Reference No : MWI 9397

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	11.0	10.6	110	106	4
Barium	8.6	10.0	18.6	17.8	100	92	4
Beryllium	0.00	1.00	1.01	0.94	101	94	7
Cadmium	0.00	1.00	1.01	0.96	101	96	5
Chromium (Total)	2.80	5.00	7.50	7.30	94	90	3
Chromium (VI)	0.00	1.00	0.99	0.93	99	93	6
Cobalt	0.75	1.00	1.61	1.58	86	83	2
Copper	1.60	1.00	2.43	2.40	83	80	1
Lead	0.00	10.0	8.1	8.1	81	81	0
Mercury	0.000	0.020	0.018	0.018	90	90	0
Molybdenum	0.0	10.0	9.6	8.9	96	89	8
Nickel	1.20	5.00	5.8	5.3	92	82	9
Selenium	0.0	10.0	9.4	9.0	94	90	4
Silver	0.0	5.0	5.1	4.9	102	98	4
Thallium	0.0	30.0	26.0	26.0	87	87	0
Vanadium	3.3	5.0	7.9	7.8	92	90	1
Zinc	6.3	5.0	10.7	10.5	88	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

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: 7/30/97

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.
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Tustin, CA 92680
(714) 832-0064, Fax (714) 832-0067

An[illegible]sis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

24 hr 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: 1206035. 01090010
ADDRESS: 250 N Madison Ave Pasadena, CA 91101	LOCATION: C-6 Facility
	ADDRESS: 19503 S Normandie Ave Los Angeles, CA
PHONE: (818)568-6582 FAX: (818) 796-5941	SAMPLED BY: AN/CW/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-63-3'	2	7/28/97	1033	Soil	2"x6" SS Sleeve	Ice	X	X							
OA1-GS-64-7'	2		1047				X	X							
OA1-GS-65-2'	2		1104				X	X							
OA1-GS-66-9'	2		1148				X	X							
OA1-GS-67-5'	2		1159				X	X							
OA1-GS-68-6'	2		1315				X	X							
OA1-GS-69-8'	2		1326				X	X							
OA1-RE6-SP1	2		1528				X	X	X	X					
Equipment Blank	7		1530	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	7/28/97	—		2 VOAs	HCL			X						

Total No. of Samples: 11

Method of Shipment: 2 Coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	7/28/97 1630		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 7/28/97 16:30

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

Sample Integrity: (check)
intact ____ on ice ____

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

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 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/05/97
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97060098	RR-GS-19-4'	N.D.
97060099	RR-GS-20-4'	200
97060100	RR-GS-21-4'	47
97060101	RR-GS-22-1.5'	230
97060102	RR-GS-22-4'	25
97060103	RR-GS-23-4'	110
97060104	RR-GS-24-1.5'	N.D.
97060105	RR-GS-24-4'	N.D.
97060106	RR-GS-25-4'	250
97060107	RR-GS-26-1.5'	N.D.
97060108	RR-GS-26-6'	17
97060109	RR-GS-27-4'	N.D.
97060110	RR-GS-28-4'	N.D.
97060111	RR-GS-29-4'	N.D.
97060112	RR-GS-30-4'	N.D.
97060113	RR-GS-31-4'	86
97060114	RR-GS-32-4'	83

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, RR-GS-30-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

Laboratory Sample Number: 97060112
Laboratory Reference #: MWI 9149

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	7.8
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	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	33
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, RR-GS-30-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/06/97
Reported: 06/17/97

Laboratory Sample Number: 97060112
Laboratory Reference #: MWI 9149

PCB'S (EPA 8080)

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97060115	Equip Blank	N.D.
97060116	Rinsate Blank	N.D.

Detection Limit:	0.5

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 3510/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97060115	Equip Blank	N.D.
97060116	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: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
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)*
97060115	Equip Blank	N.D.
97060116	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: Water, Equip Blank

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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, Rinsate Blank

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060115

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	97
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, Rinsate Blank
Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060116

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	98
Toluene-d8	103
4-Bromofluorobenzene	100

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97060117
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060117

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	97
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: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060115

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

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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: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060116

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

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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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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	

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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	

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, Equip Blank

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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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QC DATA REPORT

Analysis : Diesel (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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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 9149

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/09/97
Laboratory Sample No : 97060208
Laboratory Reference No : MWI 9149

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 : Metals

Date of Analysis : 06/9/97
Laboratory Sample No : 97060114
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	30.0	103	100	3
Arsenic *	0.0	10.0	4.1	4.9	41	49	18
Barium	13.0	10.0	24.0	24.0	110	110	0
Beryllium	0.00	1.00	0.98	0.96	98	96	2
Cadmium	0.00	1.00	1.03	0.92	103	92	11
Chromium (Total)	3.1	5.0	8.1	7.7	100	92	5
Chromium (VI)	0.00	1.00	0.91	0.85	91	85	7
Cobalt	0.74	1.00	1.70	1.81	96	107	6
Copper	0.92	1.00	1.83	1.87	91	95	2
Lead	0.0	10.0	8.1	8.2	81	82	1
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.0	10.0	10.4	9.8	104	98	6
Nickel	1.30	5.00	6.40	5.90	102	92	8
Selenium	0.0	10.0	11.5	10.6	115	106	8
Silver	0.0	5.0	4.0	4.0	80	80	0
Thallium	0.0	30.0	24.0	24.0	80	80	0
Vanadium	3.5	5.0	8.8	8.2	106	94	7
Zinc	4.1	5.0	9.0	9.5	98	108	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

Matrix interference *

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/10/97
Laboratory Sample No : 97060115
Laboratory Reference No : MWI 9149

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	49	94	98	4
1,1-Dichloroethene	0.0	50	42	45	84	90	7
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	48	50	96	100	4
Chlorobenzene	0.0	50	47	49	94	98	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 : 06/10/97
Laboratory Sample No : 97060117
Laboratory Reference No : MWI 9149

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	14	14	70	70	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	18	18	90	90	0
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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	1.00	0.90	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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060099
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	190	230	76	92	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 : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060105
Laboratory Reference No : MWI 9149

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 : PCB 'S (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	17	16	85	80	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 Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9149

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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/05/97
Laboratory Sample No : 97050525
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	48	108	96	12

Definition of Terms :

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

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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 9149

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/05/97
Laboratory Sample No : 97060082
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	108	101	108	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 06/09/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9149

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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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 9149

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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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

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: McDonnell Douglas
NUMBER: 1201600335.01090010
LOCATION: Bldg. 37 Area
ADDRESS: 19503 S. Normandie, Los Angeles, CA
SAMPLED BY: AWN/IV/NM

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERVATIVE	Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-19-4'	2	6/4/97	1041	SOIL	2"x6" ss sleeve	ICE	X			X		X			
RR-GS-20-4'			1053				X			X		X			
RR-GS-21-4'			1118				X			X		X			
RR-GS-22-1.5'			1126				X	X	X	X	X	X		X	X
RR-GS-22-4'			1130				X			X		X			
RR-GS-23-4'			1143				X			X		X			
RR-GS-24-1.5'			1152				X	X	X	X	X	X		X	X
RR-GS-24-4'			1246				X			X		X			
RR-GS-25-4'			1258				X			X		X			
RR-GS-26-1.5'			1307				X			X		X			
RR-GS-26-6'			1323				X			X		X			
RR-GS-27-4'			1336				X			X		X			
RR-GS-28-4'			1353				X			X		X			
RR-GS-29-4'			1409				X			X		X			

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	6/4/97 - 1730		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time: 6/4/97 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 f[illegible]posal. 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 2 of 2

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:	Bldg. 37 Area
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	AWN/IVI

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain	Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-30-4'	2	6/4/97	1428	SOIL	2"x6" SS Sleeve	ICE	X			X		X				
RR-GS-31-4'	↓	↓	1443	↓		↓	X			X		X				
RR-GS-32-4'	↓	↓	1500	↓		↓	X			X		X				
Equipment Blank	↓	↓	1630	Water	6 amber poly 2 vols	None HNO3 HCl	X	X	X	X	X	X	X		X	
Rinsate Blank	↓	↓	1645	↓	↓	↓	X	X	X	X	X	X	X		X	
Trip Blank	↓	↓	—	↓		HCl ↓		X								

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	6/4/97 1730.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 6/4/97 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-C6-0032534

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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 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)*
97080072	OA1-GS-70-5'	76
97080073	OA1-GS-71-12'	6,000
97080074	OA1-GS-72-5'	N.D.
97080075	OA1-GS-73-4'	75
97080076	OA1-GS-74-10'	N.D.
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

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-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

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

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/13/97
Reported: 08/15/97

Sample Description: Soil, OA1-RE9-SP2
Laboratory Sample Number: 97080078
Laboratory Reference #: MWI 9428

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.	

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

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

Sample Description: 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

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-RE9-SP2
Laboratory Sample Number: 97080078
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	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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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: 08/05/97
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
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: 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.

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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

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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

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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.

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: 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.

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 : 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
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent 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

REQUIRED TAT: 24 hr TAT on Soil 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.	LOCATION:	C-6 Facility
	Pasadena, CA 91101	ADDRESS:	19503 S. Normandie
			Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	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	4 amber 1 poly 2 VOAs	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: Ivan Vargas	Date/Time: 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 sal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032577

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LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9654

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

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

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

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

BOE-C6-0032579

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

BOE-C6-0032580

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

BOE-C6-0032581

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

BOE-C6-0032582

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

* Units in ng for Method 8270

BOE-C6-0032583

		QC(W)							
D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL	DL	RECOVER	D RECOVER	RPD
		10/20/97							
95	0	OCA 100	0.0	2 5	2 5	2 4	100	96	4
		10/20/97							
93	4	97100289	0.00	3 00	3 10	3 20	103	107	3
85	4	97100289	0.00	1 00	1 00	1 20	100	120	18
100	0	97100289	0.00	1 00	1 10	1 20	110	120	9
96	1	97100289	0.00	0 100	0 10	0 11	100	110	10
94	2	97100289	0.00	0 100	0.11	0.11	110	110	0
		10/16/97							
100	0	97100251	0.00	0 50	0 49	0 50	98	100	2
		10/20/97							
86	5	97100289	0.00	0 100	0 080	0 090	80	90	12
90	0	97100289	0.00	0 100	0 120	0 120	120	120	0
100	0	97100289	0.00	0 100	0.091	0 097	91	97	6
110	10	97100289	0.00	1 00	1 00	1 10	100	110	10
		10/21/97							
120	0	97100252	0.000	0 020	0 020	0 021	100	105	5
		10/20/97							
98	0	97100289	0.00	1 00	1.00	1.10	100	110	10
86	7	97100289	0.00	0 50	0 50	0.50	100	100	0
87	14	97100289	0.00	1 00	1.20	1.20	120	120	0
90	16	97100289	0.00	0.50	0 46	0.48	92	96	4
77	12	97100289	0.00	3.00	3 40	3.50	113	117	3
96	4	97100289	0.00	0 50	0.52	0.54	104	108	4
96	9	97100289	0.000	0.100	0.110	0.120	110	120	9
		10/23/97							
80	7	97100253	0.0	20	19	19	95	95	0

BOE-C6-0032584

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

BOE-C6-0032585

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

BOE-C6-0032586

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

BOE-C6-0032587

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

BOE-C6-0032588

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

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

CUSTOMER INFORMATION		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
B37CL-RE1-SP1	2	10/15/97	1515	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X					
OA1-RE9-SP3	2		1535	SOIL			X	X	X	X					
Equipment Blank	7		1545	WATER	1 Amber 1 Poly 5 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1600	WATER			X	X	X	X	X	X			
Trip Blank	2		—	WATER	2 VOAs	HCl			X						

Total No. of Samples: 5

Method of Shipment: 1 cooler via Orange Coast Courier

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

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

Sample Integrity: (check)
Intact _____ on ice _____

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

BOE-C6-0032589

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 07/22/97
Sample Description: Soil,
Received: 07/22/97
Analyzed: 07/23/97
Laboratory Reference #: MWI 9370
Reported: 07/23/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070344	OA1-GS-1-4'	N.D.
97070345	OA1-GS-2-6'	10
97070346	OA1-GS-3-4'	14
97070347	OA1-GS-4-6'	N.D.
97070348	OA1-GS-5-3'	9.0
97070349	OA1-GS-6-3'	13
97070350	OA1-GS-7-12'	9.0
97070351	OA1-GS-8-12'	13
97070352	OA1-GS-9-10'	19
97070353	OA1-GS-10-4'	N.D.
97070354	OA1-GS-11-4'	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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 07/22/97
Sample Description: Soil,
Received: 07/22/97
Analyzed: 07/23/97
Laboratory Reference #: MWI 9370
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
97070357	OA1-GS-14-12'	1,000
97070358	OA1-GS-15-12'	6,300
97070359	OA1-GS-16-12'	420
97070360	OA1-GS-17-12'	25
97070361	OA1-GS-18-12'	N.D.
97070362	OA1-GS-19-6'	N.D.
97070363	OA1-GS-20-4'	N.D.
97070364	OA1-GS-21-12'	N.D.
97070365	OA1-RE4-SP1	1,300
97070366	OA1-RE4-SP2	76
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani

Mark Noorani
Laboratory Director

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

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.
3002 Dow, Suite 532, Tustin, 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-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
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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.

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: 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-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-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-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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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-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-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

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.

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: 07/22/97
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.

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: 07/22/97
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.

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: 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.

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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

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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: 07/23/97
Reported: 07/29/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97070368
Laboratory Reference #: MWI 9370

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 #: 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

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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, 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, 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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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, 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, 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.

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: 07/22/97
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.

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: 07/22/97
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
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

PCB'S (EPA 8080)

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

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

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QC DATA REPORT

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

Date of Analysis : 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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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 : 07/30/97
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 : 07/23/97
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 : 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 : 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 : 07/25/97
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 : 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 : 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 : 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 : 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

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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

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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

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 : 07/24/97
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

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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 : 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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Laboratory Director

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

REQUIRED TAT: 24 hr TAT on TRPH only, Standard TAT Other

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

BOE-C6-0032637

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 Standard TAT Other

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	4 amber 1 poly 2 VOAs	None HNO3 HCl	X	X	X	X	X	X			
Rinsate Blank	7		1615		4 amber 1 poly 2 VOAs	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: [signature]	Date/Time: 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-C6-0032638

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.

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 (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]

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 06/04/97
Sample Description: Soil
Recevied: 06/04/97
Analyzed: 06/05/97
Laboratory Reference #: MWI 9149
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97060098	RR-GS-19-4'	N.D.
97060099	RR-GS-20-4'	200
97060100	RR-GS-21-4'	47
97060101	RR-GS-22-1.5'	230
97060102	RR-GS-22-4'	25
97060103	RR-GS-23-4'	110
97060104	RR-GS-24-1.5'	N.D.
97060105	RR-GS-24-4'	N.D.
97060106	RR-GS-25-4'	250
97060107	RR-GS-26-1.5'	N.D.
97060108	RR-GS-26-6'	17
97060109	RR-GS-27-4'	N.D.
97060110	RR-GS-28-4'	N.D.
97060111	RR-GS-29-4'	N.D.
97060112	RR-GS-30-4'	N.D.
97060113	RR-GS-31-4'	86
97060114	RR-GS-32-4'	83

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, RR-GS-31-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

Laboratory Sample Number: 97060113
Laboratory Reference #: MWI 9149

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	36
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	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	41
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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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-31-4'

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/06/97
Reported: 06/17/97

Laboratory Sample Number: 97060113
Laboratory Reference #: MWI 9149

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: 418.1

Sample Description: Water

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/09/97
Reported: 06/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBOANS

aboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97060115	Equip Blank	N.D.
97060116	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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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 9149

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/l)*
97060115	Equip Blank	N.D.
97060116	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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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

Analysis Method: EPA 5030/8015m

Sample Description: Water,

Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Recevied: 06/04/97
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)*
97060115	Equip Blank	N.D.
97060116	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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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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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: 06/04/97
Recevied: 06/04/97
Laboratory Sample Number: 97060116
Analyzed: 06/10/97
Laboratory Reference #: MWI 9149
Reported: 06/17/97

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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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: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060115

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	97
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, Rinsate Blank
Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060116

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	98
Toluene-d8	103
4-Bromofluorobenzene	100

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

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

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97060117
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
Analyzed: 06/10/97
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 #: 97060117

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	97
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: ***McDonnell Douglas***
Client Project #: ***1206035.01090010***

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060115

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, Rinsate Blank
Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

Sampled: 06/04/97
Received: 06/04/97
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 #: 97060116

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

Sampled: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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	

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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	

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060115
Laboratory Reference #: MWI 9149

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: 06/04/97
Recevied: 06/04/97
Analyzed: 06/10/97
Reported: 06/17/97

Laboratory Sample Number: 97060116
Laboratory Reference #: MWI 9149

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 : Diesel (EPA 8015m)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

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 : Diesel (EPA 8015m)

Date of Analysis : 06/12/97
Laboratory Sample No : 97060101
Laboratory Reference No : MWI 9149

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 : Metals

Date of Analysis : 06/09/97
Laboratory Sample No : 97060208
Laboratory Reference No : MWI 9149

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 : Metals

Date of Analysis : 06/9/97
Laboratory Sample No : 97060114
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	31.0	30.0	103	100	3
Arsenic *	0.0	10.0	4.1	4.9	41	49	18
Barium	13.0	10.0	24.0	24.0	110	110	0
Beryllium	0.00	1.00	0.98	0.96	98	96	2
Cadmium	0.00	1.00	1.03	0.92	103	92	11
Chromium (Total)	3.1	5.0	8.1	7.7	100	92	5
Chromium (VI)	0.00	1.00	0.91	0.85	91	85	7
Cobalt	0.74	1.00	1.70	1.81	96	107	6
Copper	0.92	1.00	1.83	1.87	91	95	2
Lead	0.0	10.0	8.1	8.2	81	82	1
Mercury	0.000	0.020	0.021	0.020	105	100	5
Molybdenum	0.0	10.0	10.4	9.8	104	98	6
Nickel	1.30	5.00	6.40	5.90	102	92	8
Selenium	0.0	10.0	11.5	10.6	115	106	8
Silver	0.0	5.0	4.0	4.0	80	80	0
Thallium	0.0	30.0	24.0	24.0	80	80	0
Vanadium	3.5	5.0	8.8	8.2	106	94	7
Zinc	4.1	5.0	9.0	9.5	98	108	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

Matrix interference *

ORANGE COAST ANALYTICAL

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QC DATA REPORT

Analysis : Metals

Date of Analysis : 06/10/97
Laboratory Sample No : 97060115
Laboratory Reference No : MWI 9149

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 200
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	47	49	94	98	4
1,1-Dichloroethene	0.0	50	42	45	84	90	7
Trichloroethene	0.0	50	45	46	90	92	2
Toluene	0.0	50	48	50	96	100	4
Chlorobenzene	0.0	50	47	49	94	98	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

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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 : 06/10/97
Laboratory Sample No : 97060117
Laboratory Reference No : MWI 9149

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	14	14	70	70	0
Trichloroethene	0.0	20	17	17	85	85	0
Toluene	0.0	20	18	18	90	90	0
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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	1.00	1.00	0.90	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

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060099
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	190	230	76	92	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 : PCB 'S (EPA 8080)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060105
Laboratory Reference No : MWI 9149

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 : PCB 'S (EPA 8080)

Date of Analysis : 06/10/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9149

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	20	17	16	85	80	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 Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/06/97
Laboratory Sample No : 97060018
Laboratory Reference No : MWI 9149

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 : Volatile Fuel Hydrocarbons (EPA 5030 / 8015m)

Date of Analysis : 06/05/97
Laboratory Sample No : 97050525
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0	50	54	48	108	96	12

Definition of Terms :

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

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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 9149

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 06/05/97
Laboratory Sample No : 97060082
Laboratory Reference No : MWI 9149

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	101	108	101	108	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 : Semi-Volatile Organics by GC/MS (EPA 8270)

Date of Analysis : 06/09/97
Laboratory Sample No : 97060203
Laboratory Reference No : MWI 9149

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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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 9149

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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Laboratory Director

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Tustin, CA 92680
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Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 2

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: McDonnell Douglas
NUMBER: 12060035.01090010
LOCATION: Bldg. 37 Area
ADDRESS: 19503 S. Normandie, Los Angeles, CA
SAMPLED BY: AWN/IV/NM

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-19-4'	2	6/4/97	1041	SOIL	2"x6" SS Sleeve	ICE	X			X		X			
RR-GS-20-4'			1053				X			X		X			
RR-GS-21-4'			1118				X			X		X			
RR-GS-22-1.5'			1126				X	X	X	X	X	X		X	X
RR-GS-22-4'			1130				X			X		X			
RR-GS-23-4'			1143				X			X		X			
RR-GS-24-1.5'			1152				X	X	X	X	X	X		X	X
RR-GS-24-4'			1246				X			X		X			
RR-GS-25-4'			1258				X			X		X			
RR-GS-26-1.5'			1307				X			X		X			
RR-GS-26-6'			1323				X			X		X			
RR-GS-27-4'			1336				X			X		X			
RR-GS-28-4'			1353				X			X		X			
RR-GS-29-4'			1409				X			X		X			

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vargas	6/4/97 - 1730		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[signature]	6/4/97 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 [illegible]sposal. A disposal fee may be imposed if client fails to pickup samples.

BOE-C6-0032680

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 2 of 2

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: McDonnell Douglas
NUMBER: 1206035.01090010
LOCATION: Bldg 37 Area
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.	Title 22 Metals	VOCs 8260	SVOCs 8270	TRPH 418.1	Diesel 8015	PCBs 8080	Pesticides 8080	Carbon Chain Gasoline 8015	REMARKS/PRECAUTIONS
RR-GS-30-4'	2	6/4/97	1428	Soil	2"x6" SS Sleeve	ICE	X			X		X			
RR-GS-31-4'			1443				X			X		X			
RR-GS-32-4'			1500				X			X		X			
Equipment Blank			1630	Water	Amber Poly Jugs	None HNO3 HCl	X	X	X	X	X	X	X	X	
Rinsate Blank			1645				X	X	X	X	X	X	X	X	
Trip Blank			—			HCl		X							

Total No. of Samples: 21

Method of Shipment: 2 coolers via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivon Vega	6/4/97 1730.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:
		[illegible]	6/4/97 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-C6-0032681

Appendix B

MONTGOMERY WATSON

B-1

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)*
97080072	OA1-GS-70-5'	76
97080073	OA1-GS-71-12'	6,000
97080074	OA1-GS-72-5'	N.D.
97080075	OA1-GS-73-4'	75
97080076	OA1-GS-74-10'	N.D.
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.

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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-73-4'

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080075
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	88	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	16	<---
Cobalt	6010	80	8000	0.5	7.2	<---
Copper	6010	25	2500	0.1	12	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	7.6	<---
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	21	<---
Zinc	6010	250	5000	0.1	34	<---

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-GS-74-10'

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/07/97
Reported: 08/15/97

Laboratory Sample Number: 97080076
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	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	25	<---
Cobalt	6010	80	8000	0.5	6.6	<---
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	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	26	<---
Zinc	6010	250	5000	0.1	49	<---

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-GS-73-4'
Laboratory Sample Number: 97080075
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	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-GS-73-4'
Laboratory Sample #: 97080075

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	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-GS-74-10'
Laboratory Sample Number: 97080076
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	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-GS-74-10'
Laboratory Sample #: 97080076

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	99
Toluene-d8	106
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-GS-73-4'
Laboratory Sample Number: 97080075
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/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-GS-73-4'
Laboratory Sample #: 97080075

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, OA1-GS-74-10'
Laboratory Sample Number: 97080076
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/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-GS-74-10'
Laboratory Sample #: 97080076

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, OA1-GS-73-4'

Sampled: 08/05/97
Received: 08/05/97
Analyzed: 08/08/97
Reported: 08/15/97

Laboratory Sample Number: 97080075
Laboratory Reference #: MWI 9428

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

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sampled: 08/05/97
Sample Description: Water,
Received: 08/05/97
Analyzed: 08/11/97
Laboratory Reference #: MWI 9428
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.

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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: 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.

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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
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: 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

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: 08/13/97
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, 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.
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: 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

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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

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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: 08/05/97
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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Montgomery Watson
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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.

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Montgomery Watson
ATTN: Mr. Fred Strauss
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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.

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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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

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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

ORANGE COAST ANALYTICAL

Mark Noorani

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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

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 : 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
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent 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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Tustin, CA 92680
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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, TV

SAMPLE ID	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Preser.	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: Ann Stamm	Date/Time: 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-C6-0032726

BOE-C6-0032727

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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

Sampled: 08/08/97
Sample Description: Soil,
Received: 08/08/97
Analyzed: 08/11/97
Laboratory Reference #: MWI 9443
Reported: 08/11/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080145	OA1-GS-75-6'	N.D.
97080146	OA1-GS-76-8'	N.D.
97080147	OA1-GS-77-12'	N.D.
97080148	OA1-GS-78-6'	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

Sample Description: Soil, OA1-GS-75-6'

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/12/97

Laboratory Sample Number: 97080145
Laboratory Reference #: MWI 9443

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	27	<---
Cobalt	6010	80	8000	0.5	8.2	<---
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	42	<---

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-GS-76-8'

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/12/97

Laboratory Sample Number: 97080146
Laboratory Reference #: MWI 9443

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	26	<---
Cobalt	6010	80	8000	0.5	7.6	<---
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	33	<---
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, OA1-GS-75-6'
Laboratory Sample Number: 97080145
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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, OA1-GS-75-6'
Laboratory Sample #: 97080145

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	101
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-GS-76-8'
Laboratory Sample Number: 97080146
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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, OA1-GS-76-8'
Laboratory Sample #: 97080146

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	101
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-GS-75-6'
Laboratory Sample Number: 97080145
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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, OA1-GS-75-6'
Laboratory Sample #: 97080145

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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-76-8'
Laboratory Sample Number: 97080146
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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, OA1-GS-76-8'
Laboratory Sample #: 97080146

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: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/18/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080149	Equip Blank	N.D.
97080150	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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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: 97080149
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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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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 #: 97080149

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

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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: 97080150
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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 #: 97080150

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	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, Trip Blank
Laboratory Sample Number: 97080151
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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 #: 97080151

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	106
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, Equip Blank
Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

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 #: 97080149

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

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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 #: 97080150

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: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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 : 08/11/97
Laboratory Sample No : 97080126
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	110	110	110	110	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 : 08/11/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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 : 08/12/97
Laboratory Sample No : 97080145
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	26.0	26.0	87	87	0
Arsenic	0.0	10.0	10.8	10.2	108	102	6
Barium	12.0	10.0	21.0	21.0	90	90	0
Beryllium	0.00	1.00	0.97	1.00	97	100	3
Cadmium	0.00	1.00	0.89	0.88	89	88	1
Chromium (Total)	2.70	5.00	7.10	7.00	88	86	1
Chromium (VI)	0.00	1.00	0.98	0.94	98	94	4
Cobalt	0.82	1.00	1.62	1.66	80	84	2
Copper	1.20	1.00	2.10	2.00	90	80	5
Lead	0.00	10.0	8.5	8.3	85	83	2
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	9.5	9.8	95	98	3
Nickel	1.20	5.00	5.4	5.3	84	82	2
Selenium	0.0	10.0	9.5	9.5	95	95	0
Silver	0.0	5.0	4.2	4.2	84	84	0
Thallium	0.0	30.0	24.0	23.0	80	77	4
Vanadium	3.5	5.0	8.0	8.3	90	96	4
Zinc	4.2	5.0	8.5	8.9	86	94	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 : 08/13/97
Laboratory Sample No : 97080150
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.60	3.00	87	100	14
Arsenic	0.00	1.00	0.85	1.00	85	100	16
Barium	0.000	0.100	0.093	0.094	93	94	1
Beryllium	0.00	0.100	0.094	0.101	94	101	7
Cadmium	0.00	0.100	0.105	0.112	105	112	6
Chromium (VI)	0.00	0.50	0.48	0.46	96	92	4
Chromium (Total)	0.00	0.100	0.096	0.104	96	104	8
Cobalt	0.00	0.100	0.087	0.094	87	94	8
Copper	0.000	0.100	0.091	0.102	91	102	11
Lead	0.00	1.00	1.16	1.14	116	114	2
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	1.00	1.04	1.08	104	108	4
Nickel	0.00	0.50	0.44	0.50	88	100	13
Selenium	0.00	1.00	1.06	1.08	106	108	2
Silver	0.00	0.50	0.51	0.53	102	106	4
Thallium	0.00	3.00	3.20	3.10	107	103	3
Vanadium	0.00	0.50	0.45	0.46	90	92	2
Zinc	0.000	0.100	0.080	0.089	80	89	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080146
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	51	47	102	94	8
1,1-Dichloroethene	0.0	50	54	51	108	102	6
Trichloroethene	0.0	50	49	45	98	90	9
Toluene	0.0	50	55	51	110	102	8
Chlorobenzene	0.0	50	50	46	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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/15/97
Laboratory Sample No : 97080216
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	19	90	95	5
1,1-Dichloroethene	0.0	20	17	19	85	95	11
Trichloroethene	0.0	20	16	17	80	85	6
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	0.0	20	18	18	90	90	0

Definition of Terms :

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

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QC DATA REPORT

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

Date of Analysis : 08/11/97
Laboratory Sample No : 97080145
Laboratory Reference No : MWI 9443

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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QC DATA REPORT

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

Date of Analysis : 08/13/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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	41	44	82	88	7
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	40	39	80	78	3
Pentachlorophenol	0.0	100	70	74	70	74	6
4-Chloro-3-Methylphenol	0.0	100	43	56	43	56	26
2-Chlorophenol	0.0	100	60	64	60	64	6
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

ORANGE COAST ANALYTICAL

MARK NOORANI
Laboratory Director

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

QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080107
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	210	200	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 : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/13/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / 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 : PCB 'S (EPA 8080)

Date of Analysis : 08/12/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

Lab Job No: _____
Page 1 of 1

ORANGE COAST ANALYTICAL, INC.
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Tustin, CA 92680
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Analysis Request and Chain of Custody Record

REQUIRED TAT: 24 hr TAT on ~~Soil PCBs and~~ Soil TRPH
Standard TAT otherwise
~~48 hr TAT on Soil PCBs~~

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:	

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-67A-5'	2	8/8/97	1030	SOIL	2"x6" SS sleeve	ICE					X		~~24~~ 48 hr TAT
OA1-GS-75-6'	2		1140				X	X	X	X			
OA1-GS-76-8'	2		1150				X	X	X	X			
OA1-GS-77-12'	2		1340				X	X	X	X			
OA1-GS-78-6'	2		1350				X	X	X	X			
Equipment Blank	7		1445	WATER	4 amber 2 VOAs	none HNO3	X	X	X	X	X	X	
Rinsate Blank	7		1500				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 Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/8/97 1530		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 3:30 PM 08.08.97

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0032767

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-76A-8'

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/22/97

Laboratory Sample Number: 97080300
Laboratory Reference #: MWI 9471

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

Mitra Samsei for
Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080302	Rinsate Blank	N.D.
97080303	Equipment Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/26/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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: 08/20/97
Received: 08/20/97
Analyzed: 08/26/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

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

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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 #: 97080302

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

Mitra Samiee for
Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	106
Toluene-d8	108
4-Bromofluorobenzene	102

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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 #: 97080303

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	104
Toluene-d8	106
4-Bromofluorobenzene	102

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97080304
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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.

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

Sample Description: Water, Trip Blank
Laboratory Sample #: 97080304

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

Mitra Samiei for
Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	105
Toluene-d8	108
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

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

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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 #: 97080302

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

Mitra Samiei for
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: 97080303
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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, Rinsate Blank
Laboratory Sample #: 97080303

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

Mitra Damiri for
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: 08/20/97
Received: 08/20/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

ORGANOCHLORINE PESTICIDES (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

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: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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

Mitra Samiei for
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: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

PCB'S (EPA 8080)

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/21/97
Laboratory Sample No : 97080299
Laboratory Reference No : MWI 9471

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 : 08/26/97
Laboratory Sample No : 97080303
Laboratory Reference No : MWI 9471

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.10	2.90	103	97	7
Arsenic	0.00	1.00	1.13	1.20	113	120	6
Barium	0.000	0.100	0.100	0.099	100	99	1
Beryllium	0.00	0.100	0.106	0.101	106	101	5
Cadmium	0.00	0.100	0.113	0.103	113	103	9
Chromium (VI)	0.00	0.50	0.49	0.48	98	96	2
Chromium (Total)	0.00	0.100	0.100	0.095	100	95	5
Cobalt	0.00	0.100	0.093	0.096	93	96	3
Copper	0.000	0.100	0.100	0.100	100	100	0
Lead	0.00	1.00	0.99	1.06	99	106	7
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	1.00	1.09	1.04	109	104	5
Nickel	0.00	0.50	0.46	0.50	92	100	8
Selenium	0.00	1.00	1.12	1.06	112	106	6
Silver	0.00	0.50	0.50	0.49	100	98	2
Thallium	0.00	3.00	3.10	2.80	103	93	10
Vanadium	0.00	0.50	0.51	0.49	102	98	4
Zinc	0.000	0.100	0.088	0.086	88	86	2

Definition of Terms :

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

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QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 : 08/21/97
Laboratory Sample No : 97080280
Laboratory Reference No : MWI 9471

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	102	102	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 : PCB 'S (EPA 8080)

Date of Analysis : 08/21/97
Laboratory Sample No : 97080176
Laboratory Reference No : MWI 9471

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 : PCB 'S (EPA 8080)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 : 08/22/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/25/97
Laboratory Sample No : 97080323
Laboratory Reference No : MWI 9471

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	46	47	92	94	2
1,1-Dichloroethene	0.0	50	44	42	88	84	5
Trichloroethene	0.0	50	48	51	96	102	6
Toluene	0.0	50	47	48	94	96	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 : 08/21/97
Laboratory Sample No : 97080304
Laboratory Reference No : MWI 9471

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 : 08/26/97
Laboratory Sample No : 97080333
Laboratory Reference No : MWI 9471

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

Date of Analysis : 08/27/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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

ORANGE COAST ANALYTICAL

Mitra Samiei for

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: 8/22/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please provide a letter explaining the reason for the high detection limits for Benzo(a)pyrene for the following sample:

OA1-GS-71-12'

Also, two sample numbers were printed incorrectly on the TRPH (418.1) report for samples collected on 6/9/97. Please correct as shown below, and send a corrected report:

Lab Sample Number	Incorrect Client Sample Number	Correct Client Sample Number
97060252	RR-GS-6-2.5'	PL-GS-6-2.5'
97060253	RR-GS-7-2.5'	PL-GS-7-2.5'

Additionally, please perform the California Waste Extraction Test (WET) and TCLP analysis for arsenic only on the following sample on RUSH turn-around time:

WL-RE1-SP1

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

OA2-A.12-58-1'

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

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

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

REQUIRED TAT: 24 hr. TAT on soil TRPH and 48 hrs TAT on soil PCBs 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	LOCATION: C-6 Facility
Pasadena, CA	ADDRESS: 19503 S Normandie Ave
	Los Angeles, CA
PHONE: (818) 568-6582 FAX: (818) 796-5941	SAMPLED BY: CW / IV

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	VOCs 8260	SVOCs 8270	Title 22 Metals	PCBs 8080	Pesticides 8080			REMARKS/PRECAUTIONS
OA2-A.12-59-1'	2	8/20/97	0915	Soil	2"x6" LS sleeve	Ice	X			X					
OA2-A.12-58-1'	2		0920				X			X					
OA2-A.13-58-1'	2		0930				X			X					
OA1-GS-76A-8'	1		1500		2" x 6" LS sleeve						X				48 TAT on soil PCB
OA1-GS-77A-12'	1		1505								X				48 TAT on soil PCB
Equipment Blank	7		1545	Water	4 amber 1 poly 2 VOAs	None Nitric HCL	X	X	X	X	X	X			
Rinsate Blank	7		1600				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 Lab Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/20/97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 8/20/97 16:40

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-C6-0032798

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

Analysis Request and Chain of Custody Record

Lab Job No: ____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on soil TRPH only; 48 hrs TAT on soil PCB 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	LOCATION: C-6 Facility
Pasadena, CA	ADDRESS: 19503 S Normandie Ave
	Los Angeles, CA
PHONE: (818) 568-6582 FAX: (818) 796-5941	SAMPLED BY: CW / IV

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	VOCs 8260	SVOCs 8270	Title 22 Metals	PCBs 8080	Pesticides 8080		REMARKS/PRECAUTIONS
OA2-A.12-59-1'	2	8/20/97	0915	Soil	2"x6" SS sleeve	Ice	X			X				
OA2-A.12-58-1'	2		0920				X			X				
OA2-A.13-58-1'	2		0930				X			X				
OA1-GS-76A-8'	1		1500		2"x6" SS sleeve						X			48 TAT on PCB
OA1-GS-77A-12'	1		1505								X			48 TAT on soil PCB
Equipment Blank	7		1545	Water	4 amber 1 poly 2 VOAs	None HNO3 HCL	X	X	X	X	X	X		
Rinsate Blank	7		1600				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 Lab Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	8/20/97 1640		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 8/20/97 16:40

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-C6-0032800

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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 : 08/27/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 :

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ORANGE COAST ANALYTICAL

Mitra Samiei for

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: 8/22/97

To: Mark Noorani

Fax No: (714) 832-0067

From: Steve Reiners

Reference: MDRC

Subject: Additional Analyses

No. of Pages: 1
(including cover)

Comments:

Please provide a letter explaining the reason for the high detection limits for Benzo(a)pyrene for the following sample:

OA1-GS-71-12'

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Lab Sample Number	Incorrect Client Sample Number	Correct Client Sample Number
97060252	RR-GS-6-2.5'	PL-GS-6-2.5'
97060253	RR-GS-7-2.5'	PL-GS-7-2.5'

Additionally, please perform the California Waste Extraction Test (WET) and TCLP analysis for arsenic only on the following sample on RUSH turn-around time:

WL-RE1-SP1

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

OA2-A.12-5R-1'

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

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

TOTAL P.01

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 Organics by GC/MS (EPA 8260)

Date of Analysis : 08/21/97
Laboratory Sample No : 97080304
Laboratory Reference No : MWI 9471

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

ORANGE COAST ANALYTICAL

Mitra Samiee for
MARK NOORANI
Laboratory Director

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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 9471

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

ORANGE COAST ANALYTICAL

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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 9471

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/25/97
Laboratory Sample No : 97080323
Laboratory Reference No : MWI 9471

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	46	47	92	94	2
1,1-Dichloroethene	0.0	50	44	42	88	84	5
Trichloroethene	0.0	50	48	51	96	102	6
Toluene	0.0	50	47	48	94	96	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 : 08/21/97
Laboratory Sample No : 97080176
Laboratory Reference No : MWI 9471

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 : PCB 'S (EPA 8080)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/21/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9471

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 : 08/21/97
Laboratory Sample No : 97080280
Laboratory Reference No : MWI 9471

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

Date of Analysis : 08/21/97
Laboratory Sample No : 97080299
Laboratory Reference No : MWI 9471

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 : 08/26/97
Laboratory Sample No : 97080303
Laboratory Reference No : MWI 9471

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	3.10	2.90	103	97	7
Arsenic	0.00	1.00	1.13	1.20	113	120	6
Barium	0.000	0.100	0.100	0.099	100	99	1
Beryllium	0.00	0.100	0.106	0.101	106	101	5
Cadmium	0.00	0.100	0.113	0.103	113	103	9
Chromium (VI)	0.00	0.50	0.49	0.48	98	96	2
Chromium (Total)	0.00	0.100	0.100	0.095	100	95	5
Cobalt	0.00	0.100	0.093	0.096	93	96	3
Copper	0.000	0.100	0.100	0.100	100	100	0
Lead	0.00	1.00	0.99	1.06	99	106	7
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	1.00	1.09	1.04	109	104	5
Nickel	0.00	0.50	0.46	0.50	92	100	8
Selenium	0.00	1.00	1.12	1.06	112	106	6
Silver	0.00	0.50	0.50	0.49	100	98	2
Thallium	0.00	3.00	3.10	2.80	103	93	10
Vanadium	0.00	0.50	0.51	0.49	102	98	4
Zinc	0.000	0.100	0.088	0.086	88	86	2

Definition of Terms :

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

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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: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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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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: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

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: 08/20/97
Received: 08/20/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/22/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

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
Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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.

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

Sample Description: Water, Rinsate Blank
Laboratory Sample #: 97080303

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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.

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

Sample Description: Water, Equip Blank
Laboratory Sample #: 97080302

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

Mike Samiei for
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

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Sample Description: Water, Trip Blank
Laboratory Sample Number: 97080304
Laboratory Reference #: MWI 9471

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 #: 97080304

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

Mitra Samiei for
Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	105
Toluene-d8	108
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: Water, Rinsate Blank
Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

Sampled: 08/20/97
Received: 08/20/97
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 #: 97080303

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	104
Toluene-d8	106
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

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

Sample Description: Water, Equip Blank
Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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 #: 97080302

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	106
Toluene-d8	108
4-Bromofluorobenzene	102

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Equip Blank

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/26/97
Reported: 08/27/97

Laboratory Sample Number: 97080302
Laboratory Reference #: MWI 9471

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: 08/20/97
Received: 08/20/97
Analyzed: 08/26/97
Reported: 08/27/97

Laboratory Sample Number: 97080303
Laboratory Reference #: MWI 9471

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

Mitra Samiei 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, OA1-GS-77A-12'

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/22/97

Laboratory Sample Number: 97080301
Laboratory Reference #: MWI 9471

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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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 9471

Sampled: 08/20/97
Received: 08/20/97
Analyzed: 08/21/97
Reported: 08/27/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080302	Rinsate Blank	N.D.
97080303	Equipment Blank	N.D.
Detection Limit:		0.5

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

ORANGE COAST ANALYTICAL

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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 9443

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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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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 PCBs and~~ Soil TRPH + Standard TAT otherwise except ~~48 hr TAT on Soil PCBs~~

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 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Los Angeles, CA
PHONE:	818-568-6582 FAX: 818-796-5941	SAMPLED BY:	

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-67A-5'	2	8/8/97	1030	SOIL	2"x6" SS Sleeve	ICE					X				~~24~~ 48 hr TAT
OA1-GS-75-6'	2	↓	1140	↓	↓	↓	X	X	X	X					
OA1-GS-76-8'	2	↓	1150	↓	↓	↓	X	X	X	X					
OA1-GS-77-12'	2	↓	1340	↓	↓	↓	X	X	X	X					
OA1-GS-78-6'	2	↓	1350	↓	↓	↓	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	↓	↓	↓	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 Lab. Courier.

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Ungo	8/8/97 1530.		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: Alfred A. Flashem	Date/Time: 3:30 P.M. 08.08.97

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0032832

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QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080107
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	210	200	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

ORANGE COAST ANALYTICAL

Mark Noorani

MARK NOORANI
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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 9443

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
MSD	Matrix Spike Duplicate Results
PR1	Percent Recovery Of MS: {(MS-R1) / SP} x100
PR2	Percent 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 9443

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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Laboratory Director

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QC DATA REPORT

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

Date of Analysis : 08/13/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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	41	44	82	88	7
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	40	39	80	78	3
Pentachlorophenol	0.0	100	70	74	70	74	6
4-Chloro-3-Methylphenol	0.0	100	43	56	43	56	26
2-Chlorophenol	0.0	100	60	64	60	64	6
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

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 : Volatile Organics by GC/MS (EPA 8260)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080146
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	51	47	102	94	8
1,1-Dichloroethene	0.0	50	54	51	108	102	6
Trichloroethene	0.0	50	49	45	98	90	9
Toluene	0.0	50	55	51	110	102	8
Chlorobenzene	0.0	50	50	46	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

ORANGE COAST ANALYTICAL

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QC DATA REPORT

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

Date of Analysis : 08/15/97
Laboratory Sample No : 97080216
Laboratory Reference No : MWI 9443

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	20	18	19	90	95	5
1,1-Dichloroethene	0.0	20	17	19	85	95	11
Trichloroethene	0.0	20	16	17	80	85	6
Toluene	0.0	20	19	20	95	100	5
Chlorobenzene	0.0	20	18	18	90	90	0

Definition of Terms :

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

ORANGE COAST ANALYTICAL

Mark Noorani

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

QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/12/97
Laboratory Sample No : 97080145
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.0	30.0	26.0	26.0	87	87	0
Arsenic	0.0	10.0	10.8	10.2	108	102	6
Barium	12.0	10.0	21.0	21.0	90	90	0
Beryllium	0.00	1.00	0.97	1.00	97	100	3
Cadmium	0.00	1.00	0.89	0.88	89	88	1
Chromium (Total)	2.70	5.00	7.10	7.00	88	86	1
Chromium (VI)	0.00	1.00	0.98	0.94	98	94	4
Cobalt	0.82	1.00	1.62	1.66	80	84	2
Copper	1.20	1.00	2.10	2.00	90	80	5
Lead	0.00	10.0	8.5	8.3	85	83	2
Mercury	0.000	0.020	0.019	0.018	95	90	5
Molybdenum	0.0	10.0	9.5	9.8	95	98	3
Nickel	1.20	5.00	5.4	5.3	84	82	2
Selenium	0.0	10.0	9.5	9.5	95	95	0
Silver	0.0	5.0	4.2	4.2	84	84	0
Thallium	0.0	30.0	24.0	23.0	80	77	4
Vanadium	3.5	5.0	8.0	8.3	90	96	4
Zinc	4.2	5.0	8.5	8.9	86	94	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 : Metals

Date of Analysis : 08/13/97
Laboratory Sample No : 97080150
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	3.00	2.60	3.00	87	100	14
Arsenic	0.00	1.00	0.85	1.00	85	100	16
Barium	0.000	0.100	0.093	0.094	93	94	1
Beryllium	0.00	0.100	0.094	0.101	94	101	7
Cadmium	0.00	0.100	0.105	0.112	105	112	6
Chromium (VI)	0.00	0.50	0.48	0.46	96	92	4
Chromium (Total)	0.00	0.100	0.096	0.104	96	104	8
Cobalt	0.00	0.100	0.087	0.094	87	94	8
Copper	0.000	0.100	0.091	0.102	91	102	11
Lead	0.00	1.00	1.16	1.14	116	114	2
Mercury	0.000	0.020	0.021	0.022	105	110	5
Molybdenum	0.00	1.00	1.04	1.08	104	108	4
Nickel	0.00	0.50	0.44	0.50	88	100	13
Selenium	0.00	1.00	1.06	1.08	106	108	2
Silver	0.00	0.50	0.51	0.53	102	106	4
Thallium	0.00	3.00	3.20	3.10	107	103	3
Vanadium	0.00	0.50	0.45	0.46	90	92	2
Zinc	0.000	0.100	0.080	0.089	80	89	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

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 : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/11/97
Laboratory Sample No : 97080126
Laboratory Reference No : MWI 9443

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	110	110	110	110	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 : 08/11/97
Laboratory Sample No : OCA 100
Laboratory Reference No : MWI 9443

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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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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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: 97080150
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

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 #: 97080150

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: 97080149
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

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 #: 97080149

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, Trip Blank
Laboratory Sample Number: 97080151
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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 #: 97080151

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	106
4-Bromofluorobenzene	99

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Water, Rinsate Blank
Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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 #: 97080150

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	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
Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/15/97
Reported: 08/18/97

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 #: 97080149

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

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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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080149
Laboratory Reference #: MWI 9443

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: 08/08/97
Received: 08/08/97
Analyzed: 08/13/97
Reported: 08/18/97

Laboratory Sample Number: 97080150
Laboratory Reference #: MWI 9443

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

Sample Description: Soil, OA1-GS-78-6'
Laboratory Sample #: 97080148

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	100	310	<---
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	250	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Water,

Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/18/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/l (ppm)*
97080149	Equip Blank	N.D.
97080150	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

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

Sample Description: Soil, OA1-GS-77-12'
Laboratory Sample #: 97080147

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: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-78-6'
Laboratory Sample Number: 97080148
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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	170	<---
Benzo (b) fluoranthene	205-99-2	250	N.D.	
Benzo (k) fluoranthene	207-08-9	250	N.D.	
Benzo (g,h,i)perylene	191-24-2	250	N.D.	
Benzo (a) pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.	
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.	
Chrysene	218-0109	100	230	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-N-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
Dimethyl phthalate	131-11-3	100	N.D.	
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	
2,4-Dinitrotoluene	121-14-2	250	N.D.	
2,6-Dinitrotoluene	606-20-2	250	N.D.	
Di-N-octyl phthalate	117-84-0	250	N.D.	

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

Sample Description: Soil, OA1-GS-78-6'
Laboratory Sample #: 97080148

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	102
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-GS-77-12'
Laboratory Sample Number: 97080147
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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

Sample Description: Soil, OA1-GS-77-12'
Laboratory Sample #: 97080147

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	102
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-78-6'
Laboratory Sample Number: 97080148
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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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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-GS-78-6'

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/12/97

Laboratory Sample Number: 97080148
Laboratory Reference #: MWI 9443

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	7.0	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	12	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	29	<---
Zinc	6010	250	5000	0.1	41	<---

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-77-12'
Laboratory Sample Number: 97080147
Laboratory Reference #: MWI 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/12/97

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.

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 9443

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/11/97
Reported: 08/11/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080145	OA1-GS-75-6'	N.D.
97080146	OA1-GS-76-8'	N.D.
97080147	OA1-GS-77-12'	N.D.
97080148	OA1-GS-78-6'	N.D.
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-GS-77-12'

Sampled: 08/08/97
Received: 08/08/97
Analyzed: 08/12/97
Reported: 08/12/97

Laboratory Sample Number: 97080147
Laboratory Reference #: MWI 9443

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	23	<---
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	34	<---
Zinc	6010	250	5000	0.1	50	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Appendix C

MONTGOMERY WATSON

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
10/7/97	2013	1	OAI - RE2 - H	163
	2015	2		131
	2018	3		107
	2020	4		129
	2022	5		141
	2026	6		44
	2028	7		127
	2030	8		150
	2032	9	OAI - RE2 - H	142
	2034	10	OAI - RE2 - I	128
	2036	11		14
	2037	12		144
	2039	13		154
	2042	14		149
	2044	15		29
	2047	16	OAI - RE2 - I	124
	2050	17	OAI - RE2 - J	130
	2053	18		156
	2055	19		51
	2101	20	OAI - RE2 - J	140
	2157	21	OAI - RE2 - I, J	126
	2200	22		131
	2202	23		129
	2205	24		141
	2208	25		163
	2210	26		150
	2219	27	OAI - RE2 - I - J	128
	2220	28	OAI - RE3 - B	149
	2223	29	OAI - RE3 - B	154
10/7/97	2225	30	OAI - RE3 - B	14

WAVE 1 → WAVE 2 ←

Signature: [signature] 10/7/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

	DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
WAVE 2	10/7/97	2228	31	OAI-RE3-B	127
		2230	32		142
		2232	33		44 (29)
		2233	34		44
		2238	35	OAI-RE3-B	124
		2240	36	OAI-RE3-E	130
		2245	37		156
		2247	38		140
		2249	39	OAI-RE3-E	51
		2348	40	OAI-RE3-B,E	126
		2351	41		131
		2353	42		129
		2356	43		150
	10/7/97	2359	44	OAI-RE3-B,E	141
WAVE 3	10/8/97	0003	45	OAI-RE4-A	163
		0005	46		149
		0007	47		154
		0010	48		127
		0013	49		14
		0016	50		128
		0018	51		44
		0021	52		29
		0023	53		124
		0025	54	OAI-RE4-A	130
		0030	55	OAI-RE2-C	140
		0033	56		156
		0037	57		51
		0039	58		142
WAVE 4		0142	59		150
		0147	60		126
	10/8/97	0149	61	OAI-RE2-C	129

Signature: [signature] 10/8/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

	DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
WAVE 4	10/8/97	0152	62	OAI-REZ-C	141
	1	0156	63	OAI-REZ-C	149
		0159	64	OAI-REZ-D,C	154
		0201	65	OAI-REZ-C,D	163
		0203	66	OAI-REZ-C,D	127
		0207	67	OAI-REZ-D	131
		0209	68	OAI-REZ-D	128
		0211	69	OAI-REZ-D	~~44~~
		0214	70	OAI-REZ-D	29 — 7
		0216	71	OAI-REZ-D	14
		0218	72	OAI-REZ-D	124
		0220	73	OAI-REZ-D,	130
		0222	74	OAI-REZ-C,D	140
	10/8/97	0228	75	OAI-REZ-C,D	156
		~~0230~~	~~76~~ 9M		~~142~~ 9M
			~~77~~ 9m		
WAVE 1	10/8/97	2005 9m	1	OAI-REZ-F	128
		2007	2		136
		2010	3		133
		2012	4		9M ~~B12~~ B26
		2014	5		33
		2016	6		B8
		2020	7		S14
		2025	8		B34
		2028	9		~~27~~ 08
		2030	10	OAI-REZ-F	S11
		2034	11	OAI-REZ-C	28
		2036	12	OAI-REZ-C	120
		2038	13		98 ~~98-289m~~
		2040	14		156
	10/8/97	2042	15	OAI-REZ-C	4

Signature: Jon 9m 10/8/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

	DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
WAVE 1	10/8/97	2050	16	OAI-RE3-C	129
		2052	17		131
		2054	18		149
		2058	19	OAI-RE3-C	126
		2059	20	OAI-RE9-~~B~~ 9m A	140
		2128	21	OAI-RE9-A	137
		2150	22		136
		2152	23		133
		2158	24		B12
		2200	25		128
		2203	26		33
WAVE 2		2209	27		B34
		2212	28	OAI-RE9-A	9m ~~B37~~ 98
		2214	29	OAI-RE9-A	08
		2216	30	OAI-RE9-A	S11
		2219	31	OAI-RE8-I	120
		2222	32		B28
		2224	33		56
		2228	34		S14
		2230	35		28
		2232	36		140
		2233	37		149
		2237	38	OAI-RE8-I	131
		2240	39	OAI-RE8-I	129
		2300	40	OAI-RE9-B	126
		2302	41		140
		2304	42		137
		2333	43		136
WAVE 3		2335	44		133
		2342	45		B12
	10/8/97	2350	46	OAI-RE9-B	33

Signature: [signature] 10/8/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

	DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
	10/8/97	2355	47	OA1 - RE6 - J	B34
	10/9/97	0000	48		S12
		0003	49		S11
		0005	50		B28
		0007	51		B33
		0011	52		156
		0012	53		128
		0014	54		20
WAVE 3		0016	55		140
		0020	56		S14
		0023	57	OA1 - RE6 - J	28
		0035	58	OA2 - RE2 - I	149
		0037	59		131
		0040	60		129
		0042	61		126
		0044	62		140
		0047	63		137
		0126	64		136
		0128	65		B12
		0131	66	OA1 - RE1 - I	133
		0133	67	OA1 - RE1 - G	33
		0141	68		S11
		0144	69		140
		0150	70		156
		0151	71		B28
		0153	72		120
WAVE 4		0200	73	OA1 - RE1 - G	128
		0212	74	OA1 - RE2 - A1/A2	B33
		0214	75		28
		0218	76		131
	10/9/97	0225	77	OA1 - RE2 - A1/A2	149

Signature: [signature] 10/9/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

	DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
WAVE 1	10/9/97	2010	1	OA1 - RE1 - A1/A2	149
		2016	2		126
		2019	3		137
		2022	4		B12
		2026	5	OA1 - RE1 - A1/A2	136
		2032	6	OA1 - RE1 - J	132
		2034	7		B19 (11)
		2037	8		131
		2040	9		129
		2042	10		154
		2044	11		141
		2048	12		B25
		2051	13		B38
		2054	14	OA1 - RE1 - J	130
		2057	15	OA1 - RE1 - A1/A2, J	103
WAVE 2		2155	16	B36 - RE1 - C / OA1 - RE1 - B	149
		2159	17	B36 - RE1 - C / OA1 - RE1 - B	126
		2202	18	B36 - RE1 - C / OA1 - RE1 - B	137
		2211	19	OA1 - RE1 - B	B-12
		2216	20		136
		2220	21		132
		2228	22		B19
		2233	23	+ B36 - RE1 - C	131
		2236	24		129
		2253	25		B25
		2255	26		B38
		2257	27		154
		2300	28	OA1 - RE1 - B + B36 - RE1 - C	141
		2307	29	OA1 - RE1 - A	130
		2319	30	OA1 - RE1 - A	103
WAVE 3	10/9/97	2340	31	OA1 - RE1 - A	149

Signature: [signature] 10/9/97

MDRC/Backfill/Stockpil/disposal/form

MONTGOMERY WATSON

STOCKPILE SOILS DISPOSAL RECORD

SITE INFORMATION

Owner: Boeing Realty Corporation
Address: C-6 Facility
19503 South Normandie Ave.
Los Angeles, CA 90502

Soil Destination:
Bradley Landfill
9081 Tujunga Ave.
Sun Valley, CA
91352

WAVE 3

WAVE 4

DATE	TIME	LOAD #	STOCKPILE(S)	TRUCK ID
10/9/97	22 44	32	OAI - REI - A	126
10/9/97	2357	33		B12
10/10/97	0007	34		136
	0010	35		132
	0014	36		B11
	0016	37		137
	0026	38		131
	0029	39		129
	0038	40	OAI - REI - A	154
	0045	41	WL - REI - A	141
	0047	42		130
	0055	43		103
	0210	44		131
	0212	45		129
	0219	46		154
	0224	47		103
	0226	48		141
10/10/97	0228	49	WL - REI. - A	130

Signature: [signature] 10/10/97

MDRC/Backfill/Stockpil/disposal/form

(DRIVER: PLEASE SIGN BELO\

Welcome to the
Bradley Landfill and Recy[redacted] Center
Thank you and have a great [redacted]
Drive Safely

0283

10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

6510005
562-627-3014
ration
0 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:44 AM	10/09/1997
Out:	XOC	10:44 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9[redacted]unga Avenue
[redacted]
Sun [redacted]ley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

714-632-6730
nit ID # 140

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/9/97		James Pledge
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 6848~~	Dump Truck	Solid	3.	PPM
25	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

DISPOSAL (Circle One)

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co. Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 140

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S. M. Stavale 10/8/97		James Pl[illegible]
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility** O.O.K.

(DRIVER: PLEASE SIGN BELOW

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

02831

10/09/1997

nifest

6510005

562-627-3014

ration

2ppm

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

			Oper	Time	Date
GROSS:	37.500				
TARE:	12.500	In:	XOC	10:45 AM	10/09/1997
NET:	25.000	Out:	XOC	10:45 AM	10/09/1997

EN

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

114-632-8730

nit ID # 137

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/8/97
Name (Typed or Printed) Date
Signature
Generator

Name (Typed or Printed) Date
Signature
Transporter

James Pledger
Name (Typed or Printed) Date
Signature
TSD Facility

BOE-C6-0032881

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 6840~~ 25	(Dump Truck)	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

DISPOSAL (Circle One)

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc Phone 714-632-8730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 137

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/8/97		James Pledger 10/8/97
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

(DRIVER: PLEASE SIGN BEL( )

028_ _9

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646814
10/09/1997

nifest

55/0005

one 562-627-3014

ation

ppm

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:45 AM	10/09/1997
Out:	XOC	10:45 AM	10/09/1997

EN

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

one 14-632-6730

21

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

it ID# 136

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-61

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date

Elvir Planeguia
Name (Typed or Printed) Date

James Pleat
Name (Typed or Printed) Date

SMStavale
Signature

Signature

James P.
Signature

Generator

Transporter

TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 6890~~ 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co. Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 136

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Stavale 10/8/97	Elver Planeguia	James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pledge
Signature	Signature	Signature
Generator	Transporter	TSD Facility 0.0 ppm

(DRIVER: PLEASE SIGN BEL)

028 20

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646816
10/09/1997

nifest

5510005
562-627-3014

ration
50 ppm

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:46 AM	10/09/1997
Out:	XOC	10:46 AM	10/09/1997

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

PPM
PPM
PPM
PPM
PPM

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

nor. 714-632-6730
101

Init ID # 133

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

(818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/8/97
Name (Typed or Printed) Date

S M Stavale
Signature

Generator

JAVIER BONI 12
Name (Typed or Printed) Date

Signature

Transporter

James P
Name (Typed or Printed) Date

James P
Signature

TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions _____ VOC–OVA Readings < 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) _____	(Circle One)	pH _____	1.	PPM ___
Volume/CY ~~Approx 5300~~	Tank Truck	(Circle One)	2.	PPM ___
Weight/Tons ~~Approx 6890~~ 25	Dump Truck	Solid	3.	PPM ___
	Drums	Liquid	4.	PPM ___
	Cartons	Sludge	5.	PPM ___
	Other _____	Slurry		
		Other _____		

TRANSPORTER INFORMATION EPA ID # _____

Name Ugalde Trucking Co. Inc. Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # _____ Pick up Date 10/8/97 Truck, Unit ID # 133

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-61[illegible]

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification _____ Actual Tons _____

DISPOSAL METHOD (Circle One) Landfill Other _____

SIGNATURES

S. M. Stavale 10/8/97	Javier Bonilla	James Pl[illegible]
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S M Stavale	[signature]	James Pl[illegible]
Signature	Signature	Signature
Generator	Transporter	TSD Facility 0-0 [illegible]

(DRIVER: PLEASE SIGN BELC)

028. 1

~~Welcome~~ to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646817
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

5 10005
one 562-627-3014

vation
0 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:46 AM	10/09/1997
Out:	XOC	10:46 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

one 114-632-6730
21

it ID # B12

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

one 818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pleo
Name (Typed or Printed) Date

James Pl
Signature

TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —		DISPOSAL (Circle One)		
CONTAINERS	**TYPE**	**PROPERTIES**	**COMPONENTS**	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 530~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 680~~	Dump Truck	Solid	3.	PPM
25	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # B12

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Starale 10/8/97		James Pledger 97
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Starale		James Pledger
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility** O.O.F.

(DRIVER: PLEASE SIGN BEL)

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

028 22

REFERENCE NO. 646818
10/09/1997

nifest

651 0005
562-627-3014

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

vation
50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:46 AM	10/09/1997
Out:	XOC	10:46 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

714-632-6730
21

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

Unit ID # 128

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

(818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date
S.M. Stavale
Signature
Generator

Name (Typed or Printed) Date
Signature
Transporter

James Pledger 10/
Name (Typed or Printed) Date
James Pledger
Signature
TSD Facility 0.0 ppm

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE
(#)	(Circle One)
Volume/CY ~~Approx 5300~~	Tank Truck
Weight/Tons ~~Approx 6840~~ 25	Dump Truck
	Drums
	Cartons
	Other

DISPOSAL (Circle One)

PROPERTIES	COMPONENTS	
pH	1.	PPM
(Circle One)	2.	PPM
Solid	3.	PPM
Liquid	4.	PPM
Sludge	5.	PPM
Slurry		
Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 128

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/8/97		James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pledge
Signature	Signature	Signature

(DRIVER: PLEASE SIGN BELC)

028. 4

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

510005
562-627-3014
ration
ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:47 AM	10/09/1997
Out:	XOC	10:47 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

114-632-6730
nit ID # 33
818) 767-6180

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date
S.M. Stavale
Signature
Generator

Name (Typed or Printed) Date
Signature
Transporter

James Pl... 10/8
Name (Typed or Printed) Date
James Pl...
Signature
TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE
(#)	(Circle One)
Volume/CY ~~Approx 5300~~	Tank Truck
Weight/Tons ~~Approx 6890~~	Dump Truck
25	Drums
	Cartons
	Other

DISPOSAL (Circle One)

PROPERTIES	COMPONENTS	
pH	1.	PPM
(Circle One)	2.	PPM
Solid	3.	PPM
Liquid	4.	PPM
Sludge	5.	PPM
Slurry		
Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 33

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/8/97		James Pledger 10/
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale		James Pledger
Signature	Signature	Signature
		0.0 ppm

(DRIVER: PLEASE SIGN BELOW

0283

Welcome to the
Bradley Landfill and Recy[redacted] Center
Thank you and have a great[redacted]
Drive Safely

10/[redacted]

nifest

6510005
562-627-3014

vation
50 ppm

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:47 AM	10/09/1997
Out:	XOC	10:47 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 [redacted]unga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

one 114-632-6730
)1

it ID # B39

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

318) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/8/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

OHO
Name (Typed or Printed) Date

Signature

Transporter

James Pled...
Name (Typed or Printed) Date

James Pl...
Signature

TSD Facility 0.0 +

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions _____ VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE
(#) _____	(Circle One)
Volume/CY ~~Approx. 5300~~	Tank Truck
Weight/Tons ~~Approx. 6890~~ 25	Dump Truck
	Drums
	Cartons
	Other _____

DISPOSAL (Circle One)

PROPERTIES	COMPONENTS	
pH _____	1.	PPM ___
(Circle One)	2.	PPM ___
Solid	3.	PPM ___
Liquid	4.	PPM ___
Sludge	5.	PPM ___
Slurry		
Other _____		

TRANSPORTER INFORMATION EPA ID # _____

Name Ugalde Trucking Co., Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # _____ Pick up Date 10/8/97 Truck, Unit ID # B34

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification _____ Actual Tons _____

DISPOSAL METHOD (Circle One) Landfill Other _____

SIGNATURES

Generator	Transporter	TSD Facility
S. M. Stavale 10/8/97	[illegible]	James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
[signature]	[signature]	[signature]
Signature	Signature	Signature

0.0 ppm

(DRIVER: PLEASE SIGN BEL)

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

028-27

REFERENCE NUMBER
64682
10/09/1997

nifest

510005
562627 3014

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

ration
0 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:48 AM	10/09/1997
Out:	XOC	10:48 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

14-632-6730

ID # 98

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

18) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/8/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledge .97
Name (Typed or Printed) Date

James P...
Signature

TSD Facility 0.0 P...

VM0090

(DRIVER: PLEASE SIGN BELC

028_3

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

10/09/1997

nifest

6510005
562-627-3014

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

ation
0 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:48 AM	10/09/1997
Out:	XOC	10:48 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

714-632-6730

nit ID # 08

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/8/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledge
Name (Typed or Printed) Date

James Pledge
Signature

TSD Facility 0.0 p

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 6896~~ 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

DISPOSAL (Circle One)

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co. Inc. Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 08

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S. M. Stavale 10/8/97		James Pl[illegible]
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S M Stavale		James Pl[illegible]
Signature	Signature	Signature

(DRIVER: PLEASE SIGN BELOW

028325

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646828
10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

5510005
one 562-627-3014

C

vation
0 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:48 AM	10/09/1997
Out:	XOC	10:48 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

one 14-632-6730
101

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

it ID # S11

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

one 18) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledue 10/9/97
Name (Typed or Printed) Date

James Pledue
Signature

TSD Facility 0.0 P

BOE-C6-0032898

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510025

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS	TYPE
(#)	(Circle One)
Volume/CY ~~Approx 5300~~	Tank Truck
Weight/Tons ~~Approx 6890~~ 25	Dump Truck
	Drums
	Cartons
	Other

DISPOSAL (Circle One)

PROPERTIES	COMPONENTS	
pH	1.	PPM
(Circle One)	2.	PPM
Solid	3.	PPM
Liquid	4.	PPM
Sludge	5.	PPM
Slurry		
Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # S11

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/8/97		James Pledue 3/97
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale		James Pledue
Signature	Signature	Signature

(DRIVER: PLEASE SIGN BEL(

028..1

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646913
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

562-627-3014

on

n 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:09 AM	10/09/1997
Out:	XOC	11:09 AM	10/09/1997

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

714 632-6730

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

101

it ID # 120

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/7/97 — Name (Typed or Printed) Date
S M Stavale — Signature
Generator

L. A. CHAVEZ — Name (Typed or Printed) Date
Signature
Transporter

James Pled... — Name (Typed or Printed) Date
James Pl... — Signature
TSD Facility 0.0 ppm

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings Less than 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) ~~14 cy~~	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx. 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx. 6890~~	Dump Truck	Solid	3.	PPM
~~21 T~~	Drums	Liquid	4.	PPM
25	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCKING CO Phone 714 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 120

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S. M. Stavale 10/7/97	L. A. CHAVEZ	James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S M Stavale		James Pledge
Signature	Signature	Signature
Generator	Transporter	TSD Facility 0.0 PPM

(DRIVER: PLEASE SIGN BELC

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

028: 0

10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

one 562-627-3014

m

th 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:09 AM	10/09/1997
Out:	XOC	11:09 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

one 714-632-6730

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

it ID # B28

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

318) 767-61

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Starale 10/07/97
Name (Typed or Printed) Date
S M Starale
Signature
Generator

Name (Typed or Printed) Date
Signature
Transporter

James P.
Name (Typed or Printed)
James P.
Signature
TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings Less than 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) ~~14 CY~~	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx. 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx. 6890~~	Dump Truck	Solid	3.	PPM
~~21 T~~ 25	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCKING CO Phone 714-632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # B28

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S. M. Stavale 10/07/97		James Pl[illegible] 10/8/97
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pl[illegible]
Signature	Signature	Signature
Generator	Transporter	TSD Facility O.O.F.

(DRIVER: PLEASE SIGN BELC

028_ 3

Welcome to the
Bradley Landfill and Recy[redacted] Center
Thank you and have a great[redacted]
Drive Safely

[redacted]
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

562-627-3014

on

1 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:08 AM	10/09/1997
Out:	XOC	11:08 AM	10/09/1997

Br[redacted] Landfill
[redacted]unga Avenue
[redacted]ley, CA 91352
(81[redacted] 767-6180 FAX: (818) 252-3249

PPM
PPM
PPM
PPM
PPM

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

14) 632-6730

ID# 56

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

8) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/07/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledge
Name (Typed or Printed) Date

James Pledge
Signature

TSD Facility 0.0 ppm

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION

EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings Less than 50 ppm

— DAILY COVER —

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx. 5300~~ 14CY	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx. 6890~~ 21T 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

DISPOSAL (Circle One)

TRANSPORTER INFORMATION

EPA ID #

Name UGALDE TRUCKING CO Phone (714) 632-6730

Address 3920 E. CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 56

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/07/97		James Pledger
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pledger
Signature	Signature	Signature

(DRIVER: PLEASE SIGN BELOW

0283

Welcome to the
Bradley Landfill and Recy[redacted] Center
Thank you and have a grea[redacted]
Drive Safely

10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

one 62-627-3014

n

th 50 ppm

GROSS: 37.500
TARE: 12.500

	Oper	Time	Date
In:	XOC	11:10 AM	10/09/1997
Out:	XOC	11:10 AM	10/09/1997

NET: 25.000

PPM___
PPM___
PPM___
PPM___
PPM___

[redacted] Landfill
[redacted] Tujunga Avenue
[redacted] Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007755	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

719-632-6730
101
ID# 519

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

ie .8) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/2/97		James Pledger 10/2
S.M. Stavale		James Pledger
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

0.0 PPM

BOE-C6-0032906

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings Less than 50 ppm

— DAILY COVER —		DISPOSAL (Circle One)		
CONTAINERS	**TYPE**	**PROPERTIES**	**COMPONENTS**	
(#) ~~14 CY~~	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx. 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx. 6890~~	Dump Truck	Solid	3.	PPM
21 T	Drums	Liquid	4.	PPM
25	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name VALDE TRUCKING CO Phone 719-632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 519

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Stavale 10/2/97		James Pl[illegible]
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S M Stavale	[illegible]	James Pl[illegible]
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

BOE-C6-0032907

(DRIVER: PLEASE SIGN BELOW)

02829

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646786
10/09/1997

nifest

10005
562-627-3014

ation
ppm

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:39 AM	10/09/1997
Out:	XOC	10:39 AM	10/09/1997

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

714 632-6730

it ID # 28

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S. M. Stavale 10/7/97
Name (Typed or Printed) Date

SMStavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledger 10/8
Name (Typed or Printed) Date

James Pledger
Signature

TSD Facility 0.0 ppm

BOE-C6-0032908

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Ave.

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions NA VOC–OVA Readings <50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) ~~14 CY~~	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx 530~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~Approx 1890~~	Dump Truck	Solid	3.	PPM
~~27~~	Drums	Liquid	4.	PPM
25	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCKING CO Phone 714 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 28

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Starale 10/7/97		James Pledger 10/7
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStarale		James Pledger
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility** 0.0 ppm

(DRIVER: PLEASE SIGN BELC

0202

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646787
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

65 10005
562-627-3014
vation
ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	10:39 AM	10/09/1997
Out:	XOC	10:39 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

714 632-6730
01
ID # 140

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

18) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/2/97		James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale		James P.
Signature	Signature	Signature

0.0 Ft

BOE-C6-0032910

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD 086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings <50 ppm

— DAILY COVER —

CONTAINERS		TYPE
(#)	14 CY	(Circle One)
Volume/CY	~~Approx. 5300~~	Tank Truck
Weight/Tons	~~Approx. 6898~~ 21 T	Dump Truck
	25	Drums
		Cartons
		Other

DISPOSAL (Circle One)

PROPERTIES	COMPONENTS	
pH	1.	PPM
(Circle One)	2.	PPM
Solid	3.	PPM
Liquid	4.	PPM
Sludge	5.	PPM
Slurry		
Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCKING CO Phone 714 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 140

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/2/97		James Pledge 10/8
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pledge
Signature	Signature	Signature
		0.0 ppm

(DRIVER: PLEASE SIGN BELOW

028310

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646893
10/09/1997

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:06 AM	10/09/1997
Out:	XOC	11:06 AM	10/09/1997

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

ORIGINAL

SIGNATURES

S.M.Stavale 10/7/97
Name (Typed or Printed) Date

SMStavale
Signature
Generator

[signature] 10/8/97
Name (Typed or Printed) Date

[signature]
Signature
Transporter

James Pledger 10/8
Name (Typed or Printed) Date

James Pledger
Signature
TSD Facility 0.0 PPM

nifest

510005
562-627-3014
E
AVATION
THAN 50 ppm

PPM
PPM
PPM
PPM
PPM

714) 632-6730
01
nit ID # 149
818) 767-6180

Printed on recycled paper

BOE-C6-0032912

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name BOEING REALTY CORPORATION Phone 562-627-3014

Address ~~19503~~ 19503 S. NORMANDIE AVE

LOS ANGELES CA ~~90052~~ 90502 Site Location SAME

Waste Description SOIL Generating Process EXCAVATION

Handling Instructions N/A VOC–OVA Readings LESS THAN 50 ppm

— DAILY COVER —

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) ~~14 cy~~	(Circle One)	pH	1.	PPM
Volume/CY ~~APPOX 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~APPOX 6890~~ 24 T 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

DISPOSAL (Circle One)

TRANSPORTER INFORMATION EPA ID #

Name UCALDE TRUCKING CO Phone (714) 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 149

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Stavale 10/7/97	10/8/97	James Pl...
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James P...
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

(DRIVER: PLEASE SIGN BELOW

028370

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646894
10/09/1997

nifest

510005
62-627-3014

VATION
THAN 50 ppm

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:06 AM	10/09/1997
Out:	XOC	11:06 AM	10/09/1997

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

714) 632-6730
101

ID# 131

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

8) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/7/97
Name (Typed or Printed) Date

SMStavale
Signature
Generator

Name (Typed or Printed) Date

Signature
Transporter

James Pledger 10/8/97
Name (Typed or Printed) Date

James P...
Signature
TSD Facility

0.0...

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name BOEING REALTY CORPORATION Phone 562-627-3014

Address 19503 S. NORMANDIE AVE

LOS ANGELES CA ~~90052~~ 90502 Site Location SAME

Waste Description SOIL Generating Process EXCAVATION

Handling Instructions N/A VOC–OVA Readings LESS THAN 50 PPM

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS		TYPE	PROPERTIES	COMPONENTS	
(#)	~~14 CY~~	(Circle One)	pH	1.	PPM
Volume/CY	~~APPROX 5360~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons	~~APPROX 6890~~	Dump Truck	Solid	3.	PPM
	21 T	Drums	Liquid	4.	PPM
	25	Cartons	Sludge	5.	PPM
		Other	Slurry		
			Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCKING CO Phone (714) 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 131

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Stavale 10/2/97		James Pledger 10/8/97
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

(DRIVER: PLEASE SIGN BELOW

0283.8

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

REFERENCE NO. 646899
10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

10005
562-627-3014

AVATION
THAN 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:07 AM	10/09/1997
Out:	XOC	11:07 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

(714) 632-6730
101

it ID # 129

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

(818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/7/97
Name (Typed or Printed) Date

S M Stavale
Signature

Generator

Name (Typed or Printed) Date

Signature

Transporter

James Pledge 10/8/97
Name (Typed or Printed) Date

James Pledge
Signature

TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name BOEING REALTY CORPORATION Phone 562-627-3014

Address 19503 S. NORMANDIE AVE

LOS ANGELES CA 90502 Site Location SAME

Waste Description SOIL Generating Process EXCAVATION

Handling Instructions N/A VOC–OVA Readings LESS THAN 50 PPM

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) 14 CY	(Circle One)	pH	1.	PPM
Volume/CY ~~APPROX 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~APPROX 6890~~	Dump Truck	Solid	3.	PPM
+2	Drums	Liquid	4.	PPM
21 T	Cartons	Sludge	5.	PPM
25	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name UGALDE TRUCK INC CO Phone (714) 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 129

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/7/97		James Pledge 10/8/97
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

(DRIVER: PLEASE SIGN BELOW

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

028379

[redacted]

10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

10005
562-627-3014
VATION
THAN 30 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:07 AM	10/09/1997
Out:	XOC	11:07 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

714 632-6730
101
it ID # 126

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/2/97		James Pled.
Signature	Signature	Signature
S.M. Stavale		James Pled.
Generator	**Transporter**	**TSD Facility** O.O.P.

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name BOEING REALTY CORPORATION Phone 562-627-3014

Address 19503 S. NORMANDIE AVE

LOS ANGELES CA 90502 Site Location SAME

Waste Description SOIL Generating Process EXCAVATION

Handling Instructions N/A VOC-OVA Readings LESS THAN 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) ____ ~~14 CY~~	(Circle One)	pH ____	1.	PPM ____
Volume/CY ~~APPROX 5300~~	Tank Truck	(Circle One)	2.	PPM ____
Weight/Tons ~~APPROX 6890~~ 25 ~~21T~~	Dump Truck	Solid	3.	PPM ____
	Drums	Liquid	4.	PPM ____
	Cartons	Sludge	5.	PPM ____
	Other ____	Slurry		
		Other ____		

TRANSPORTER INFORMATION EPA ID # ____

Name UGALDE TRUCKING CO Phone 714 632-6730

Address 3920 E CORONADO ST SUITE 101

ANAHEIM CA 92807

Service Order # ____ Pick up Date 10/8/97 Truck, Unit ID # 126

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC-OVA Verification ____ Actual Tons ____

DISPOSAL METHOD (Circle One) Landfill Other ____

SIGNATURES

S.M. Stavale 10/7/97		James Pledge. 98
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Pledge
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility** 0.0 ppm

(DRIVER: PLEASE SIGN BELOW.

Welcome to the
Bradley Landfill and Recy[illegible] Center
Thank you and have a great [illegible]
Drive Safely

028381

10/09/1997

nifest

(PLEASE SIGN HERE)	Loc ID	County	ST Pct
	LA	LA	CA 100%

10005

562-627-3014

tion

0 ppm

GROSS: 37.500
TARE: 12.500

	Oper	Time	Date
In:	XOC	11:07 AM	10/09/1997
Out:	XOC	11:07 AM	10/09/1997

NET: 25.000

EN

PPM___
PPM___
PPM___
PPM___
PPM___

Bradley Landfill
9081 Tujunga Avenue
[illegible]
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

714-632-6730

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

t ID # 140

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

18) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Starale 10/2/97		James Pledge
Signature	Signature	Signature
Generator	Transporter	TSD Facility

BOE-C6-0032920

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corp. Phone 562-627-3014

Address 19503 S. Normandie Ave

Los Angeles CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings < 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~14 CY~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~21 T~~ 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co. Inc. Phone 714-632-6730

Address 3920 E. Coronado St. Ste 101

Anaheim CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 140

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

S.M. Stavale 10/7/97		James Plebc...
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
SMStavale		James Plebc...
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

(DRIVER: PLEASE SIGN BELOW

028303

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646903
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

0005
562-627-3014
ION
ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:08 AM	10/09/1997
Out:	XOC	11:08 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

14-632-6730

it ID # 137

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

18) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/7/97
Name (Typed or Printed) Date

James Pledge
Name (Typed or Printed) Date

SMStavale
Signature

James Pledge
Signature

Generator

Transporter

TSD Facility 0 6 ppm

BOE-C6-0032922

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corp. Phone 562-627-3014

Address 19503 S. Normandie Ave

Los Angeles CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions N/A VOC–OVA Readings < 50 ppm

— DAILY COVER — DISPOSAL (Circle One)

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~14 CY~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons ~~21 T~~ 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co, Inc. Phone 714-632-6730

Address 3920 E. Coronado St. Ste 101

Anaheim CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 137

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Generator	Transporter	TSD Facility
S.M. Stavale 10/7/97		James Pledge
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale		James Pledge
Signature	Signature	Signature

BOE-C6-0032923

(DRIVER: PLEASE SIGN BELOW.

028370

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646887
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

562-627-3014

50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:05 AM	10/09/1997
Out:	XOC	11:05 AM	10/09/1997

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

PPM
PPM
PPM
PPM
PPM

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

it ID # 136

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

318) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date

S M Stavale
Signature
Generator

E Loy
Name (Typed or Printed) Date

Signature
Transporter

James Pledd
Name (Typed or Printed) Date

James Pledd
Signature
TSD Facility O.O.P.

(DRIVER: PLEASE SIGN BELOW)

02837.

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646892
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

ion 562-627-3014

in

th 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:06 AM	10/09/1997
Out:	XOC	11:06 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

ion

nit ID # 133

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

ion 818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date

Tavige Bonilla
Name (Typed or Printed) Date

James Pl
Name (Typed or Printed) Date

SMStavale
Signature
Generator

7/10
Signature
Transporter

James Pl
Signature
TSD Facility 0.6

BOE-C6-0032925

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions _____ VOC-OVA Readings Less than 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#) _____	(Circle One)	pH _____	1.	PPM ___
Volume/CY Approx. 5300	Tank Truck	(Circle One)	2.	PPM ___
Weight/Tons Approx. 6890	Dump Truck	Solid	3.	PPM ___
	Drums	Liquid	4.	PPM ___
	Cartons	Sludge	5.	PPM ___
	Other _____	Slurry		
		Other _____		

TRANSPORTER INFORMATION EPA ID # _____

Name _____ Phone _____

Address _____

Service Order # _____ Pick up Date 10/8/97 Truck, Unit ID # 133

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-61[illegible]

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC-OVA Verification _____ Actual Tons _____

DISPOSAL METHOD (Circle One) Landfill Other _____

SIGNATURES

S.M. Stavale 10/8/97	Tavige Bonilla	James Pl[illegible]
Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale	[illegible]	James P.
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

BOE-C6-0032926

(DRIVER: PLEASE SIGN BELO

028364

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

646905
10/09/1997

nifest

10005

562-627-3014

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

ation

ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:08 AM	10/09/1997
Out:	XOC	11:08 AM	10/09/1997

EN

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue
Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

non 714-632-6730

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.

PERMIT NO.

nit ID # B12

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

(818) 767-6180

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/7/97
Name (Typed or Printed) Date

SMStavale
Signature
Generator

Name (Typed or Printed) Date

Signature
Transporter

JAMES Pled
Name (Typed or Printed) Date

James Pl
Signature
TSD Facility

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corp. Phone 562-627-3014

Address 19503 S. Normandie Ave

Los Angeles CA Site Location SAME

Waste Description Soil Generating Process EXCAVATION

Handling Instructions N/A VOC–OVA Readings < 50 ppm

— DAILY COVER —

CONTAINERS		TYPE (Circle One)	DISPOSAL (Circle One) PROPERTIES	COMPONENTS	
(#)			pH	1.	PPM
Volume/CY	~~14 CY~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons	~~21 T~~	Dump Truck	Solid	3.	PPM
	25 T	Drums	Liquid	4.	PPM
		Cartons	Sludge	5.	PPM
		Other	Slurry		
			Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co, Inc. Phone 714-632-6730

Address 3920 E. Coronado St. Ste 101

Anaheim CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # B12

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC–OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/7/97		James Pledge
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**

BOE-C6-0032928

(DRIVER: PLEASE SIGN BELOW

Welcome to the
Bradley Landfill and Recycling Center
Thank you and have a great day
Drive Safely

028371

646890
10/09/1997

nifest

(PLEASE SIGN HERE)

Loc ID	County	ST Pct
LA	LA	CA 100%

one 562-627-3014

th 50 ppm

GROSS: 37.500
TARE: 12.500
NET: 25.000

	Oper	Time	Date
In:	XOC	11:06 AM	10/09/1997
Out:	XOC	11:06 AM	10/09/1997

PPM
PPM
PPM
PPM
PPM

Bradley Landfill
9081 Tujunga Avenue

Sun Valley, CA 91352
(818) 767-6180 FAX: (818) 252-3249

CUSTOMER NO.	TRUCK NO.	INITIALS	TIME	DATE	BATCH NO.
0007766	SH				

one 714-632-6730

CUSTOMER:
BOEING CORPORATION
4060 LAKEWOOD BLVD.
6TH FLOOR
LONG BEACH CA 90808-1700

MANIFEST NO.
PERMIT NO.

t ID # 33

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
919	DAILY COVER		200.00 T
	TOTAL GATE FEE:		200.00

(818) 767-61

Printed on recycled paper

ORIGINAL

SIGNATURES

S.M. Stavale 10/8/97
Name (Typed or Printed) Date
Signature
Generator

Name (Typed or Printed) Date
Signature
Transporter

James Rice
Name (Typed or Printed)
Signature
TSD Facility

BOE-C6-0032929

Waste Management, Inc.

Non-Hazardous Waste Manifest

GENERATOR INFORMATION EPA ID # CAD086510005

Name Boeing Realty Corporation Phone 562-627-3014

Address 19503 S. Normandie Avenue

Los Angeles, CA 90502 Site Location Same

Waste Description Soil Generating Process Excavation

Handling Instructions VOC-OVA Readings Less than 50 ppm

— DAILY COVER — **DISPOSAL (Circle One)**

CONTAINERS	TYPE	PROPERTIES	COMPONENTS	
(#)	(Circle One)	pH	1.	PPM
Volume/CY ~~Approx. 5300~~	Tank Truck	(Circle One)	2.	PPM
Weight/Tons Approx. ~~6890~~ 25	Dump Truck	Solid	3.	PPM
	Drums	Liquid	4.	PPM
	Cartons	Sludge	5.	PPM
	Other	Slurry		
		Other		

TRANSPORTER INFORMATION EPA ID #

Name Ugalde Trucking Co., Inc. Phone 714-632-6730

Address 3920 E. Coronado St., Suite 101

Anaheim, CA 92807

Service Order # Pick up Date 10/8/97 Truck, Unit ID # 33

TSD FACILITY INFORMATION

Name Bradley Landfill and Recycling Center Phone (818) 767-6180

Address 9081 Tujunga Avenue

Sun Valley, California 91352

VOC-OVA Verification Actual Tons

DISPOSAL METHOD (Circle One) Landfill Other

SIGNATURES

Name (Typed or Printed) Date	Name (Typed or Printed) Date	Name (Typed or Printed) Date
S.M. Stavale 10/8/97		James Pledge
Signature	Signature	Signature
Generator	**Transporter**	**TSD Facility**